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2006 celebrates twenty years of Diaclone as a centre for monoclonal antibodies (mab) in research, diagnostics and therapy. As early as February 1988 a mab of Diaclone, the CD25 or B-B10, was used *in vivo* to treat a severe case of acute Graft versus Host disease. Since then many other Diaclone mabs, like CD4, anti-TNF, anti-IL-6 and anti-IL-10, have been used *in vivo* to treat a variety of diseases. These clinical studies created worldwide collaborations with medical centres and many assays were developed to monitor the studies. Being present since the early days when therapeutic mabs were developed, Diaclone created the reputation of being the centre of excellence for mab development, a reputation we have since then maintained. This triggered another activity within Diaclone: development of mabs with precisely defined characteristics for pharmaceutical companies, either for therapeutic use or for monitoring clinical studies. These activities have left their hallmarks on the entire range of Diaclone products as outstanding quality whatever the application. Having a virtually empty customer complaints file is something we are proud of and we do everything to maintain the high standards for the entire range of products for flow cytometry, Elisa and Elispot assays. Adding new mabs and products to our catalogs is a continuous process and to satisfy your demands we have chosen to complement our range with mabs of other origins - after verifying the quality. This also allows us to concentrate our R&D efforts on developing mabs against more difficult targets such as regulatory cells, stem cells, dendritic cells and NK cells. One of the mabs recently developed in these fields is the mab against galectin-10 which is a specific cytoplasmatic antigen in T regulatory cells and absent in all other T cell populations. An added value of this mab is the specific staining of eosinophils and basophils making it an excellent marker for these cells. Other new products you will find in the catalogs are: CD107a as a marker for

granzyme secreting cells, high sensitivity ELISA kits and the Perforin Elispot. Do not hesitate to consult the Diaclone web site for newly developed products.

Another change, as you might have noticed from the cover page, is the integration of Diaclone within the Tepnel group. Tepnel is a UK-based international life sciences products and services group with two key divisions, Research Products & Services and Molecular Diagnostics. This integration is a reciprocal improvement for both Tepnel and Diaclone having complementary activities. Also the marketing structure of Tepnel will most likely improve the market position of Diaclone and allows us to focus on mab development.

Whatever your activity, research, diagnostic or therapeutic, consult our two catalogs and web site and if you have specific needs not presented do know that we will do our very best to meet them.

Please inquire about our custom therapeutic and diagnostic mab and assay development services.

Besançon, January 2006
Dr. John Wijdenes,



Director of Diaclone

To investigate innate and acquired immunity, monoclonal antibodies (mAbs) remain powerful tools. DIACLONE has developed over 1,200 murine monoclonal antibodies, allowing analysis of a broad range of proteins.

Features of Diaclone monoclonal antibodies

Wide choice

Selection of **high quality** mouse monoclonal antibodies (mAbs)

Broad range of specificities:

Human **CD antigens, Cytokines, Cytokine / Chemokine Receptors, Adhesion Molecules** and **Apoptosis** related Antigens

Large mAb panel for **intracellular and cell surface membrane** analysis

Neutralising, agonistic or enhancer mAbs specific for cytokines and their receptors

Detection of both **recombinant and natural proteins**

Validation of mAb performance under **ISO 9001:2000 QC norms**

The majority of the antibodies are clustered at the Human Leukocyte Differentiation Antigen Workshops, recently renamed Human Cell Differentiation Molecules (HCDM).

Monoclonal antibodies purified according to application.

Suitable for extensive applications:

Immunofluorescent staining (**FCM**), Immunohistochemistry (**IHC**), Western-Blot (**WB**), Immunoprecipitation (**IP**), Biological Assays (**BA**)

Optimised conjugated mAbs to ensure **consistent, reliable and specific cell staining**

Wide variety of formats:

Azide free format: no azide, low endotoxins for biological assays

Purified format: with azide

Conjugated format: FITC, PE or biotin conjugated

Components and storage

FITC conjugated reagents are supplied in ready-to-use liquid format.

PE and Biotin conjugated reagents are freeze dried in phosphate buffered saline solution containing 10 mg/ml bovine serum albumin with preservative and require reconstitution in 1 ml of distilled water. Azide free antibodies are sterile filtered and free of carrier proteins and preservative. The reagents are to be stored at 2-8°C in the dark without freezing.

Expiration dates are indicated on the vial label.

All Diaclone products are for research use only and not to be used in diagnostic, excepted for the CE labelled reagents, or in therapeutic procedures.

Customer services

With its excellent reputation in mAb development and production, Diaclone offers customer support for:

Bulk amounts of antibodies for large scale studies

Antibody manufacturing services

Detailed technical applications

Do not hesitate to contact us for these customer services

Mouse monoclonal antibodies to Human Cytokines

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
IFNγ	B-B1	IgG1	Azide free	0,5 mg	855.000.005	BA
			FITC	100 tests / ml	855.001.019	FCM
			PE	100 tests / ml	855.002.019	FCM
IL-1β	B-A15	IgG1	Azide free	0,5 mg	855.010.005	BA
			PE	100 tests / ml	855.012.019	FCM
IL-2	B-G5	IgG1	Azide free	0,5 mg	855.020.005	BA, WB
			FITC	100 tests / ml	855.021.019	FCM
			PE	100 tests / ml	855.022.019	FCM
IL-4	B-S4	IgG1	Azide free	0,5 mg	855.030.005	BA
	B-G28	IgG1	PE	100 tests / ml	855.172.019	FCM
IL-6	B-E8	IgG1	Azide free	0,5 mg	855.050.005	BA
	B-F6	IgG1	PE	100 tests / ml	855.052.019	FCM
IL-8	B-K8	IgG1	Azide free	0,5 mg	855.080.005	BA
			PE	100 tests / ml	855.082.019	FCM
IL-10	B-S10	IgG1	Azide free	0,5 mg	855.100.005	BA
	B-N10	IgG1	PE	100 tests / ml	855.182.019	FCM
IL-12 p35+p70	B-T21	IgG1	Azide free	0,5 mg	855.120.005	BA
			FITC	100 tests / ml	855.121.019	FCM
IL-12 p40+p70	B-P24	IgG1	Azide free	0,5 mg	855.130.005	BA
	B-P40	IgG1	FITC	100 tests / ml	855.131.019	FCM
IL-13	B-B13	IgG1	Azide free	0,5 mg	855.180.005	BA
			FITC	100 tests / ml	855.140.005	BA
IL-15	B-E29	IgG1	PE	100 tests / ml	855.141.019	FCM
			PE	100 tests / ml	855.142.019	FCM
TNFα	B-C7	IgG1	Azide free	0,5 mg	855.220.005	BA
	B-D9	IgG1	FITC	100 tests / ml	855.150.005	BA
			PE	100 tests / ml	855.161.019	FCM
				100 tests / ml	855.162.019	FCM

IFN γ (B-B1) 855.001.019 Weiss L. et al., *Blood*, 2004; 104:3249 – 3256; Carbonneil C. et al., *Int. Immunol.*, 2004; 16:1037 – 1052; Kostense S. et al., *Blood*, 2002; 99:2505 – 2511; Woerly G. et al., *J. Exp. Med.*, 1999; 190(4):487 – 496; North, Webster & Farrant., *Clinical and Experimental Immunology* 1998; 111(1):70 / **IFN γ (B-B1) 855.001.019** Kostense S. et al., *Blood*, 2002; 99:2505 – 2511 / **IL-1 β (B-A15) 855.001.005** Chêne L. et al., *J. Virol.*, 1999; 73:2064 – 2073 / **IL-2 (B-G5) 855.020.005** Koopman G. et al., *J. Gen. Virol.*, 2004; 85:2915 – 2924; Groux H. et al., *J. Immunol.* 1998; 160(7):3188 – 3193 / **IL-2 (B-G5) 855.021.019** Woerly G. et al., *J. Exp. Med.*, 1999; 190(4):487 – 496; North, Webster & Farrant., *Clinical and Experimental Immunology* 1998; 111(1):70 / **IL-6 (B-E8) 855.050.005** Moreau P. et al., *Blood*, 2005; 06 – 2573; Mahtouk K. et al., *Blood*, 2004; 103:1829; Moreaux J. et al., *Blood*, 2004; 103:3148 – 3157; Delneste Y. et al., *Blood*, 2003; 101:143 – 150; Derenne S. et al., *Blood* 2002; 100:194 – 199; Corbellino M. et al., *Blood*, 2001; 98:3473 – 3475; Jégo G. et al., *Blood*, 2001; 97:1817 – 1822; Haddad E. et al., *Blood*, 2001; 97:1590 – 1597; Moreau P. et al., *Br. J. Haematol.*, 2000; 109:661 – 664; Menetrier-Caux C. et al., *Blood*, 1998; 92:4778 – 4791 / **IL-10 (B-S10) 855.100.005** Ravirajan C.T. et al., 2004; 43:442 – 447 / **IL-10 (B-N10) 855.182.019** Carbonneil C. et al., *J. Immunol.*, 2004; 172:7832 – 7840; Carbonneil C. et al., *Int. Immunol.*, 2004; 16:1037 – 1052; Weiss L. et al., *Blood*, 2004; 104:3249 – 3256; Weiss L. et al., *Blood*, 2004; 10:1182; Rutella S. et al., 2002; 100(7):2562 – 2571 / **IL-12 p40 + p70 (B-P40) 855.180.005** Franck A. et al., *PNAS* 2004; 101:4560 – 4565 / **IL-12 p40 + p70 (B-P24) 855.130.005** Ito T., et al., *J. Exp. Med.*, 2002; 195(11):1507 – 1512 / **IL-13 (B-B13) 855.140.005** Guillot C. et al., *Blood*, 2003; 101:3325 – 3333 / **IL-15 (B-E29) 855.220.005** Bernard J. et al., *J. Biol. Chem.*, 2004; 279:24313 – 2432 / **TNF α (B-D9) 855.161.019** Bremer E. et al., *J. Biol. Chem.*, 2005; 280:10025 – 10033

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

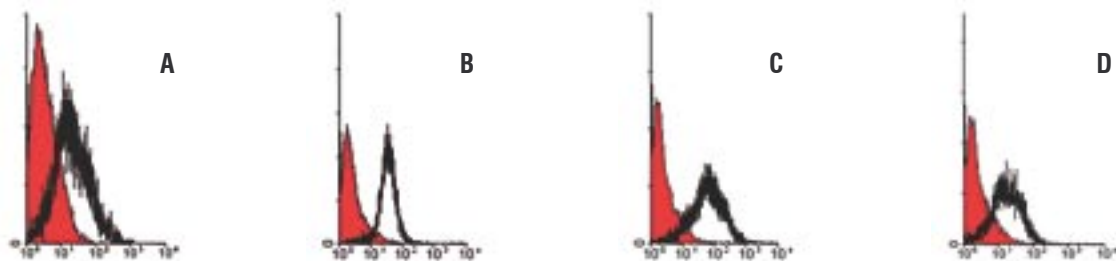
Mouse monoclonal antibodies to Human Cytokine / Chemokine & Apoptotic Receptors

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CCR5 / CD195	12D1	IgG2a	Purified	200 µg / 2 ml	853.103.020	FCM, WB
c-Kit / CD117	B-K15	IgG1	Purified	200 tests / 2 ml	854.513.020	FCM
			Azide free	200 µg / 200 µl	854.510.000	BA
			PE	100 tests / ml	854.512.010	FCM
			Biotin	100 tests / ml	854.514.010	FCM
CXCR4 / CD184	B-R24	IgG1	Purified	200 tests / 2 ml	854.603.020	FCM
			Azide free	200 µg / 200 µl	854.600.000	BA
Fas / CD95 <i>(ref. page 18)</i>	B-D29	IgG1	Purified	200 tests / 2 ml	853.033.020	FCM
			Azide free	200 µg / 200 µl	853.030.000	BA
	B-G27	IgG2a	Purified	200 tests / 2 ml	853.003.020	FCM, IHC
			Azide free	200 µg / 200 µl	853.000.000	BA, IHC
			FITC	100 tests / ml	853.001.010	FCM
			PE	100 tests / ml	853.002.010	FCM
Fas Ligand / CD178 <i>(ref. page 19)</i>	B-R17	IgG1	Purified	200 tests / 2 ml	853.073.020	FCM
			Azide free	200 µg / 200 µl	853.070.000	BA
			Biotin	100 tests / ml	853.074.010	FCM
gp130 / CD130 <i>(ref. page 19)</i>	B-R3	IgG2a	Purified	200 tests / 2 ml	852.063.020	FCM, IP, WB
			Azide free	200 µg / 200 µl	852.060.000	BA, IP, WB
			FITC	100 tests / ml	852.061.010	FCM
	B-K5	IgG1	Azide free	200 µg / 200 µl	852.070.000	BA, IP, WB
	B-P8	IgG1	Azide free	200 µg / 200 µl	852.080.000	BA, IP, WB
	B-P4	IgG1	Azide free	200 µg / 200 µl	852.090.000	BA, IP, WB
	B-K11	IgG2b	Azide free	200 µg / 200 µl	852.100.000	BA, IP, WB
B-S12	IgG1	Azide free	200 µg / 200 µl	852.110.000	BA, IP, WB	
IL-2Rα chain / CD25 <i>(ref. page 14)</i>	B-B10	IgG1	Azide free	200 µg / 200 µl	852.000.000	BA
			PE	100 tests / ml	852.002.010	FCM
			Biotin	100 tests / ml	852.004.010	FCM
	B-F2	IgG1	Purified	200 tests / 2 ml	852.013.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.010.000	BA, IHC
			FITC	100 tests / ml	852.011.010	FCM
	B-G3	IgG1	Histology	50 tests / 2.5 ml	852.015.025	IHC
B-G3	IgG1	Azide free	200 µg / 200 µl	852.020.000	BA	
IL-6R / CD126 <i>(ref. page 19)</i>	B-R6	IgG1	Purified	200 tests / 2 ml	852.033.020	FCM, IHC, IP
			Azide free	200 µg / 200 µl	852.030.000	BA, IHC, IP
			FITC	100 tests / ml	852.031.010	FCM
	B-F19	IgG1	Azide free	200 µg / 200 µl	852.040.000	BA
B-N12	IgG1	Azide free	200 µg / 200 µl	852.050.000	BA	
IL-13Rα1 / CD213a1 <i>(ref. page 20)</i>	B-K19	IgG1	Azide free	200 µg / 200 µl	852.130.000	BA
			PE	100 tests / ml	852.132.010	FCM
			Biotin	100 tests / ml	852.134.010	FCM
IL-13Rα2 / CD213a2 <i>(ref. page 20)</i>	B-D13	IgG1	Azide free	200 µg / 200 µl	852.120.000	BA, IHC
			PE	100 tests / ml	852.122.010	FCM
IL-18Rα / CDw218a <i>(ref. page 20)</i>	B-E43	IgG1	Purified	200 tests / 2 ml	854.903.020	FCM
			Azide free	200 µg / 200 µl	854.900.000	BA
			PE	100 tests / ml	854.902.010	FCM

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human Cytokine / Chemokine & Apoptotic Receptors

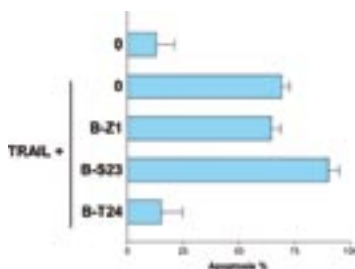
Specificity	Clone	Isotype	Format	Size	Cat N°	Application
IL18Rβ / CDw218b (ref. page 20)	B-B46	IgG1	Purified	200 tests / 2 ml	854.913.020	FCM
			Azide free	200 μ g / 200 μ l	854.910.000	BA
			PE	100 tests / ml	854.912.010	FCM
Trail / APO2L / CD253 (ref. page 20)	B-S23	IgG1	Purified	200 tests / 2 ml	853.083.020	FCM
			Azide free	200 μ g / 200 μ l	853.080.000	BA
			PE	100 tests / ml	853.082.010	FCM
			Biotin	100 tests / ml	853.084.010	FCM
	B-T24	IgG1	Purified	200 tests / 2 ml	853.093.020	FCM
Azide free	200 μ g / 200 μ l	853.090.000	BA			
TRAIL R1 / DR4 / CD261 (ref. page 20)	B-N36	IgG1	Purified	200 tests / 2 ml	854.853.020	BA, FCM
			Azide free	200 μ g / 200 μ l	854.850.000	BA
			PE	100 tests / ml	854.852.010	FCM
B-N28	IgG1	Azide free	200 μ g / 200 μ l	852.980.000	WB, IP	
TRAIL R2 / DR5 / CD262 (ref. page 20)	B-K29	IgG1	Purified	200 tests / 2 ml	854.863.020	BA, FCM
			Azide free	200 μ g / 200 μ l	854.860.000	BA
PE	100 tests / ml	854.862.010	FCM			
B-D37	IgG2b	Azide free	200 μ g / 200 μ l	854.870.000	BA, WB, IP	
TRAIL R3 / DcR1 / CD263 (ref. page 20)	B-D44	IgG1	Purified	200 tests / 2 ml	854.893.020	FCM
			Azide free	200 μ g / 200 μ l	854.890.000	BA
			PE	100 tests / ml	854.892.010	FCM
B-H47	IgG1	Azide free	200 μ g / 200 μ l	852.990.000	WB	
TRAIL R4 / DcR2 / CD264 (ref. page 20)	B-R27	IgG1	Purified	200 tests / 2 ml	854.973.020	FCM
			PE	100 tests / ml	854.972.010	FCM
B-P30	IgG1	Azide free	200 μ g / 200 μ l	853.130.000	WP, IP	



Courtesy of Dr. G. Michon, INSERM U517, Dijon (France)

Flow cytometric analysis of TRAIL R1 or TRAIL R2 in HeLa cells and TRAIL R3 or TRAIL R4 in human transfected HeLa cell line.

Cells were stained with non-conjugated anti-TRAIL R1, clone B-N36 (A), anti-TRAIL R2, clone B-K29 (B), anti-TRAIL R3, clone B-D44 (C) or anti-TRAIL R4, clone B-R27 (D) or the appropriate non-conjugated isotype-matched irrelevant mAb (isotype control in red) and visualized with goat anti-mouse IgG FITC conjugated.



Biological activity of anti TRAIL mAbs in U937 cells.

The U937 cells (1.10^5 cells/ml) were cultured for 96 h with soluble TRAIL (31.25 ng/ml, IQ products) with or without the anti-TRAIL mAbs B-S23 or B-T24 (0.5 μ g/ml). TRAIL induced apoptosis on U937 cell line:

B-T24 inhibited this process, whereas an **enhancer effect** was observed with **B-S23**.

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human Integrins

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
Integrinα2 / VLA-2 / CD49b	AK-7	IgG1	Purified	200 μ g / 2 ml	852.623.020	FCM, IHC
			FITC	100 tests / ml	852.621.010	FCM, IHC
			PE	100 tests / ml	852.622.010	FCM, IHC
Integrinα3 / VLA-3 / CD49c	MiKd2	IgG1	Purified	200 μ g / 2 ml	852.633.020	FCM, IP
			FITC	100 tests / ml	852.631.010	FCM
			PE	100 tests / ml	852.632.010	FCM
			Biotin	100 tests / ml	852.634.010	FCM
Integrinα4 / VLA-4 / CD49d	BU49	IgG1	Purified	200 μ g / 2 ml	852.793.020	FCM
			FITC	100 tests / ml	852.791.010	FCM
			PE	100 tests / ml	852.792.010	FCM
Integrinα5 / VLA-5 / CD49e	SAM-1	IgG2b	Purified	200 μ g / 2 ml	852.653.020	FCM, IHC
			FITC	100 tests / ml	852.651.010	FCM, IHC
			PE	100 tests / ml	852.652.010	FCM, IHC
Integrinα6 / VLA-6 / CD49f	4F10	IgG2b	Purified	200 μ g / 2 ml	852.663.020	FCM, IP
			FITC	100 tests / ml	852.661.010	FCM
			PE	100 tests / ml	852.662.010	FCM
IntegrinαE / CD103	2G5	IgG2a	Purified	200 μ g / 2 ml	852.803.020	FCM, IHC, IP
IntegrinαL / LFA-1 / CD11a <i>(ref. page 13)</i>	B-B15	IgG1	Purified	200 tests / 2 ml	852.513.020	FCM
			Azide free	200 μ g / 2 μ l	852.510.000	BA
			FITC	100 tests / ml	852.511.010	FCM
			PE	100 tests / ml	852.512.010	FCM
IntegrinαM / MAC-1 / CD11b	44	IgG1	Purified	200 μ g / 2 ml	852.523.020	FCM, IHC, IP
			FITC	100 tests / ml	852.521.010	FCM
			PE	100 tests / ml	852.522.010	FCM
IntegrinαV / CD51	13C2	IgG1	Purified	200 μ g / 2 ml	852.683.020	FCM, IHC
			FITC	100 tests / ml	852.681.010	FCM, IHC
			PE	100 tests / ml	852.682.010	FCM, IHC
IntegrinαX / CD11c	3.9	IgG1	Purified	200 μ g / 2 ml	852.533.020	FCM, IHC, IP
			FITC	100 tests / ml	852.531.010	FCM
			PE	100 tests / ml	852.532.010	FCM
Integrinβ1 / CD29	B-D15	IgG2a	Purified	200 tests / 2 ml	852.553.020	FCM, IHC
			Azide free	200 μ g / 2 μ l	852.550.000	BA, IHC
			FITC	100 tests / ml	852.551.010	FCM
			PE	100 tests / ml	852.552.010	FCM
			Histology	50 tests / 2.5 ml	852.555.025	IHC
Integrinβ2 / CD18	MEM 48	IgG1	Purified	200 μ g / 2 ml	852.543.020	FCM, IHC, IP, WB
			FITC	100 tests / ml	852.541.010	FCM
			PE	100 tests / ml	852.542.010	FCM
Integrinβ3 / CD61	PM6/13	IgG1	Purified	200 μ g / 2 ml	852.723.020	FCM, IHC, IP, WB
			FITC	100 tests / ml	852.721.010	FCM
			PE	100 tests / ml	852.722.010	FCM

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human Selectins

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
E-Selectin / CD62E	B-P7	IgG1	Purified Azide free	200 tests / 2 ml 200 µg / 200 µl	852.733.020 852.730.000	FCM BA
	1.2B6	IgG1	Purified FITC	200 µg / 2 ml 100 tests / ml	852.813.020 852.811.010	FCM, IHC, IP, WB FCM
			PE	100 tests / ml	852.812.010	FCM
L-Selectin / CD62L	B-S13	IgG1	Purified Azide free PE	200 tests / 2 ml 200 µg / 200 µl 100 tests / ml	852.783.020 852.780.000 852.782.010	FCM BA FCM
P-Selectin / CD62P	AK6	IgG1	Purified	200 µg / 2 ml	852.753.020	FCM
			FITC	100 tests / ml	852.751.010	FCM
			PE	100 tests / ml	852.752.010	FCM
			Biotin	100 tests / ml	852.754.010	FCM

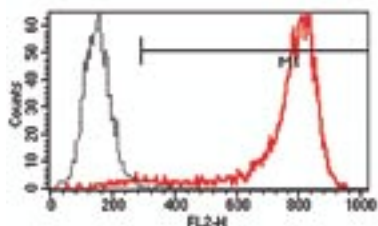
Mouse monoclonal antibodies to Human Immunoglobulin Superfamily

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
BL-CAM / CD22	RF-B4	IgG1	Purified	200 µg / 2 ml	854.183.020	FCM
			FITC	100 tests / ml	854.181.010	FCM
			PE	100 tests / ml	854.182.010	FCM
HCAM / Pgp-1 / CD44 <i>(ref. page 15)</i>	B-F24	IgG1	Purified	200 tests / 2 ml	852.603.020	FCM, IP
			Azide free	200 µg / 200 µl	852.600.000	BA, IP
			FITC	100 tests / ml	852.601.010	FCM
ICAM-1 / CD54 <i>(ref. page 16)</i>	B-H17	IgG1	Purified	200 tests / 2 ml	852.693.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.690.000	BA, IHC
			FITC	100 tests / ml	852.691.010	FCM
			PE	100 tests / ml	852.692.010	FCM
ICAM-2 / CD102 <i>(ref. page 18)</i>	B-T1	IgG1	Purified	200 tests / 2 ml	852.763.020	FCM, IP
			Azide free	200 µg / 200 µl	852.760.000	BA, IP
			FITC	100 tests / ml	852.761.010	FCM
ICAM-3 / CD50	B-R1	IgG1	Purified	200 tests / 2 ml	852.673.020	FCM, IP
			Azide free	200 µg / 200 µl	852.670.000	BA, IP
			FITC	100 tests / ml	852.671.010	FCM
NCAM / CD56 <i>(ref. page 17)</i>	B-A19	IgG1	Purified	200 tests / 2 ml	852.703.020	FCM
			Azide free	200 µg / 200 µl	852.700.000	BA
			PE	100 tests / ml	852.702.010	FCM
	MEM188	IgG2a	FITC	100 tests / ml	853.121.010	FCM
PECAM-1 / CD31	B-B38	IgG1	Purified	200 tests / 2 ml	852.563.020	FCM
			Azide free	200 µg / 200 µl	852.560.020	BA
			FITC	100 tests / ml	852.561.010	FCM
			PE	100 tests / ml	852.562.010	FCM
VCAM-1 / CD106 <i>(ref. page 18)</i>	B-K9	IgG1	Purified	200 tests / 2 ml	852.773.020	FCM
			Azide free	200 µg / 200 µl	852.770.000	BA

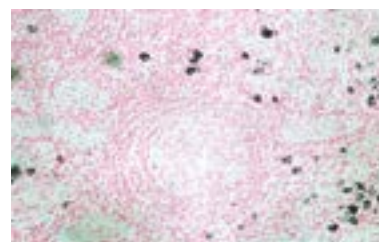
FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human Syndecan-1

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
Syndecan-1 / CD138	B-A38	IgG1	Purified	200 tests / 2 ml	854.073.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.070.000	BA, IHC
			FITC	100 tests / ml	854.071.010	FCM
			PE	100 tests / ml	854.072.010	FCM
			Biotin	100 tests / ml	854.074.010	FCM
			Histology	50 tests / 2.5 ml	854.079.025	IHC



Typical staining pattern of U266 cell line with mouse anti-human CD138 monoclonal antibody, clone B-A38.



Immunohistochemical staining of human lymph node with CD138 (B-A38). Formalin fixed, paraffin embedded section.

The B-A38 clone replaces B-B4. Peptide mapping analysis of CD138 B-A38 and B-B4 clones has shown that both recognize the same amino acid. This is confirmed by identical behaviour of both B-A38 and B-B4 in all known formats. See the following references for more information:

Syndecan-1 / CD138 Wijdenes J. et al., *J. Biol. Regul. Homeost. Agents*, 2002; 16:152 – 155; Jeco G. et al., *Blood*, 2001;97:1817 – 1822; Ragnarsson L. et al., *Cancer Immunol Immunother* 2001; 50(7):328 – 90; Odendahl M. et al., *J. Immunol.*, 2000; 165:5970 – 5979; Seidel C. et al., *Blood*, 2000; 96:3139 – 3146; Roussetot P. et al., *Cancer Res.*, 1999; 59(5): 1041 – 1048; Hjertner O. et al., *Blood*, 1999; 94:3883 – 3888; Gattei V, Godeas C, Degan M, Rossi FM, Aldinucci D, Pinto A. Characterization of Anti CD-138 monoclonal antibodies as tools for investigating the molecular polymorphism of syndecan-1 in human lymphoma cells. *Br J Haematol*, 1999; 104:152 – 162; Thabard W. et al., *Clin. Cancer Res.*, 1999; 5:2693 – 2697; Sahota S. et al., *Blood*, 1998; 91:238 – 243; Dore J-M. et al., *FEBS Lett.*, 1998; 426:67 – 70; Wijdenes J, Clément C, Klein B, Dore J-M. CD138 (syndecan-1) Workshop Panel report In: Kishimoto T, Kikutani H, von dem Borne AEGK, et al, eds. *Leucocyte Typing VI: White Cell Differentiation Antigens*. New York, NY:Garland Publishing, Inc; 1997:249 – 252; Barillé S. et al., *Blood*, 1997;90:1649 – 1655; Sun R-X et al., *Journal of Immunological Methods*, 1997; 205:73 – 79; Jourdan M. et al., *British Journal of Haematology*, 1997; 100:637 – 646; Vooijs W. et al., *Review Book Multiple Myeloma*, 1996; Wijdenes J, Vooijs WC, Clément C, et al. A plasmocyte selective monoclonal antibody (B-B4) recognizes syndecan-1, *Br J Haematol*. 1996; 94:318 – 323

Mouse monoclonal antibodies to Human Apoptosis Related Molecules

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD40 <i>(ref. page 15)</i>	B-B20	IgG1	Purified	200 tests / 2 ml	854.283.020	FCM
			Azide free	200 µg / 200 µl	854.280.000	BA
			FITC	100 tests / ml	854.281.010	FCM
			PE	100 tests / ml	854.282.010	FCM
			Biotin	100 tests / ml	854.284.010	FCM
CD40 Ligand / CD154	B-B29	IgG2a	Purified	200 tests / 2 ml	854.293.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.290.000	BA
			FITC	100 tests / ml	854.291.010	FCM
			PE	100 tests / ml	854.292.010	FCM
Fas / CD95 <i>(ref. page 18)</i>	B-D29	IgG1	Purified	200 tests / 2 ml	853.033.020	FCM
			Azide free	200 µg / 200 µl	853.030.000	BA
	B-G27	IgG2a	Purified	200 tests / 2 ml	853.003.020	FCM, IHC
			Azide free	200 µg / 200 µl	853.000.000	BA, IHC
			FITC	100 tests / ml	853.001.010	FCM
			PE	100 tests / ml	853.002.010	FCM
Fas Ligand / CD178 <i>(ref. page 19)</i>	B-R17	IgG1	Purified	200 tests / 2 ml	853.073.020	FCM
			Azide free	200 µg / 200 µl	853.070.000	BA
			Biotin	100 tests / ml	853.074.010	FCM
P53	B-P3	IgG2a	Azide free	0,5 mg	853.040.005	FCM
Perforin	B-D48	IgG1	Purified	200 tests / 2 ml	854.953.020	FCM
			Azide free	200 µg / 200 µl	854.950.000	IHC, WB
			PE	100 tests / ml	854.952.010	FCM
TRAIL / APO2L / CD253 <i>(ref. page 20)</i>	B-S23	IgG1	Purified	200 tests / 2 ml	853.083.020	FCM
			Azide free	200 µg / 200 µl	853.080.000	BA
			PE	100 tests / ml	853.082.010	FCM
			Biotin	100 tests / ml	853.084.010	FCM
	B-T24	IgG1	Purified	200 tests / 2 ml	853.093.020	FCM
			Azide free	200 µg / 200 µl	853.090.000	BA
TRAIL R1 / DR4 / CD261 <i>(ref. page 20)</i>	B-N36	IgG1	Purified	200 tests / 2 ml	854.853.020	BA, FCM
			Azide free	200 µg / 200 µl	854.850.000	BA
			PE	100 tests / ml	854.852.010	FCM
	B-N28	IgG1	Azide free	200 µg / 200 µl	852.980.000	WP, IP
TRAIL R2 / DR5 / CD262 <i>(ref. page 20)</i>	B-K29	IgG1	Purified	200 tests / 2 ml	854.863.020	BA, FCM
			Azide free	200 µg / 200 µl	854.860.000	BA
			PE	100 tests / ml	854.862.010	FCM
	B-D37	IgG2b	Azide free	200 µg / 200 µl	854.870.000	BA, WB, IP
TRAIL R3 / DcR1 / CD263 <i>(ref. page 20)</i>	B-D44	IgG1	Purified	200 tests / 2 ml	854.893.020	FCM
			Azide free	200 µg / 200 µl	854.890.000	BA
			PE	100 tests / ml	854.892.010	FCM
	B-H47	IgG1	Azide free	200 µg / 200 µl	852.990.000	WB
TRAIL R4 / DcR2 / CD264 <i>(ref. page 20)</i>	B-R27	IgG1	Purified	200 tests / 2 ml	854.973.020	FCM
			PE	100 tests / ml	854.972.010	FCM
	B-P30	IgG1	Azide free	200 µg / 200 µl	853.130.000	WP, IP

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD1a	Na1/34-HLK	IgG2a	Purified	200 µg / 2 ml	854.730.020	FCM
			FITC	100 tests / ml	854.731.010	FCM
			PE	100 tests / ml	854.732.010	FCM
CD1b	WM25	IgG1	Purified	200 µg / 2 ml	854.740.020	FCM
			FITC	100 tests / ml	854.741.010	FCM
			PE	100 tests / ml	854.742.010	FCM
CD1b/c	B-B5	IgG1	Purified	200 tests / 2 ml	854.003.020	FCM
			Azide free	200 µg / 200 µl	854.000.000	BA
			FITC	100 tests / ml	854.001.010	FCM
CD1d	NOR3.2	IgG1	Purified	200 µg / 2 ml	854.760.020	FCM
CD2 / LFA-2	B-E2	IgG2b	Purified	200 tests / 2 ml	852.503.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.500.000	BA, IHC
			FITC	100 tests / ml	852.501.010	FCM
			PE	100 tests / ml	852.502.010	FCM
			Biotin	100 tests / ml	852.504.010	FCM
			Histology	50 tests / 2.5 ml	852.505.025	IHC
CD3	B-B11	IgG1	Purified	200 tests / 2 ml	854.013.020	FCM
			Azide free	200 µg / 200 µl	854.010.000	BA
			FITC	100 tests / ml	854.011.010	FCM
			PE	100 tests / ml	854.012.010	FCM
			Biotin	100 tests / ml	854.014.010	FCM
CD4	B-A1	IgG2a	Purified	200 tests / 2 ml	854.033.020	FCM
			Azide free	200 µg / 200 µl	854.030.000	BA
			FITC	100 tests / ml	854.031.010	FCM
			PE	100 tests / ml	854.032.010	FCM
			Histology	50 tests / 2.5ml	854.035.025	IHC
CD5	B-B8	IgG1	Purified	200 tests / 2 ml	854.043.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.040.000	BA, IHC
			FITC	100 tests / ml	854.041.010	FCM
			PE	100 tests / ml	854.042.010	FCM
			Biotin	100 tests / ml	854.044.010	FCM
			Histology	50 tests / 2.5 ml	854.045.025	IHC
CD6	B-F3	IgG1	Purified	200 tests / 2 ml	854.053.020	FCM
			Azide free	200 µg / 200 µl	854.050.000	BA
	MEM98	IgG1	FITC	100 tests / ml	854.051.010	FCM
CD7	B-F12	IgG1	Purified	200 tests / 2 ml	854.063.020	FCM
			Azide free	200 µg / 200 µl	854.060.000	BA
			PE	100 tests / ml	854.062.010	FCM
	WM31	IgG3	FITC	100 tests / ml	854.061.010	FCM
	B-H5	IgG2a	Histology	50 tests / 2.5 ml	854.075.025	IHC
CD8	B-Z31	IgG2a	Purified	200 tests / 2 ml	854.963.020	FCM
			Azide free	200 µg / 200 µl	854.960.000	BA
			FITC	100 tests / ml	854.961.010	FCM
			PE	100 tests / ml	854.962.010	FCM

CD1b/c (B-B5) 854.000.000 Groot F. et al., *J. Virol.*, 2005; 79:3009 – 3015 / **CD1b/c (B-B5) 854.001.010** Bakri Y. et al., *J. Immunol.*, 2001; 166:3780 – 3788 / **CD2 (B-E2) 852.500.000** Tiberghien P et al., *Blood*, 2001; 97:63 – 72 / **CD3 (B-B11) 854.010.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1-2):101-104; Lu X. et al., *J. Virol.*, 2004; 78:7079 – 7088 / **CD4 (B-A1) 854.035.025** Lindhout E. et al., *J. Immunol.*, 2001; 166:3284 – 3289 / **CD5 (B-B8) 854.042.010** Gamache-Ottou F. et al., *Blood*, 2005;105(3): 1256 – 1264 / **CD6 (B-F3) 854.053.020** Cortès F. et al., *Blood*, 1999; 93:826 – 837 / **CD7 (B-F12) 854.060.000** Tiberghien P et al., *Blood*, 2001; 97:63 – 72.

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD9	TS9	IgG1	Azide free	200 µg / 200 µl	857.750.000	FCM, IP, WB
CD10	B-E3	IgG2a	Purified	200 tests / 2 ml	854.093.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.090.000	BA, IHC
	MEM-78	IgG1	PE	100 tests / ml	854.092.010	FCM
			Histology	50 tests / 2.5 ml	854.095.025	IHC
CD11a / LFA-1	B-B15	IgG1	FITC	100 tests / ml	854.091.010	FCM
			Purified	200 tests / 2 ml	852.513.020	FCM
			Azide free	100 tests / ml	852.510.000	BA
			FITC	100 tests / ml	852.511.010	FCM
	44	IgG1	PE	100 tests / ml	852.512.010	FCM
			Purified	200 µg / 2 ml	852.523.020	FCM, IHC, IP
			FITC	100 tests / ml	852.521.010	FCM
CD11b / MAC-1			PE	100 tests / ml	852.522.010	FCM
			Purified	200 µg / 2 ml	852.533.020	FCM, IHC, IP
			FITC	100 tests / ml	852.531.010	FCM
CD11c	3.9	IgG1	PE	100 tests / ml	852.532.010	FCM
			Purified	200 µg / 2 ml	852.533.020	FCM, IHC, IP
			FITC	100 tests / ml	852.531.010	FCM
CD13	B-F10	IgG1	PE	100 tests / ml	854.103.020	FCM
			Purified	200 tests / 2 ml	854.103.020	FCM
			Azide free	200 µg / 200 µl	854.100.000	BA
			FITC	100 tests / ml	854.101.010	FCM
CD14	B-A8	IgG1	PE	100 tests / ml	854.102.010	FCM
			Purified	200 tests / 2 ml	854.113.020	FCM
	8G3	IgG2a	Azide free	200 µg / 200 µl	854.110.000	BA
			FITC	100 tests / ml	854.771.010	FCM
			PE	100 tests / ml	854.772.010	FCM
			Biotin	100 tests / ml	854.774.010	FCM
			Purified	200 tests / 2 ml	854.123.020	FCM
CD15	28	IgM	FITC	100 tests / ml	854.121.010	BA, FCM
			Purified	200 µg / 2 ml	854.123.020	FCM
CD16	B-E16	IgG2a	Azide free	200 µg / 200 µl	854.133.020	FCM
			Purified	200 tests / 2 ml	854.133.020	FCM
			FITC	100 tests / ml	854.130.000	BA
			PE	100 tests / ml	854.131.010	FCM
CD18 / Integrinβ2	MEM-48	IgG1	PE	100 tests / ml	854.132.010	FCM
			Purified	200 µg / 2 ml	852.543.020	FCM, IHC, IP, WB
			FITC	100 tests / ml	852.541.010	FCM
CD19	B-C3	IgG1	PE	100 tests / ml	852.542.010	FCM
			Purified	200 tests / 2 ml	854.143.020	FCM
			Azide free	200 µg / 200 µl	854.140.000	BA
	B-D3	IgG1	FITC	100 tests / ml	854.141.010	FCM
			Biotin	100 tests / ml	854.144.010	FCM
			PE	100 tests / ml	854.782.010	FCM

CD11a (B-B15) 852.510.000 Tsuji T. et al., *Blood*, 1998; 91:1263 – 1271 / **CD14 (B-A8) 854.110.000** Jiang S. et al., *Blood*, 2003; 102:2180 – 2186 / **CD14 (B-A8) 854.113.020** Von Wolff M. et al., *Mol. Hum. Reprod.*, 2002; 8(12):1096 – 1102 / **CD14 (8G3) 854.771.010** Li C. et al., *Cell Growth Differ.*, 2002; 13:27 – 38; Krzysiek R. et al., *Blood*, 2000; 96:2338 – 2345; Krzysiek R. et al., *J. Immunol.*, 1999; 162:4455 – 4463 / **CD16 (B-E16) 854.130.000** Jiang S. et al., *Blood*, 2003; 102:2180 – 2186 / **CD16 (B-E16) 854.132.010** Garnache-Ottou F. et al., *Blood*, 2005; 105(3):1256 – 1264 / **CD19 (B-C3) 854.140.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1-2):86-91; Mohly M et al., *J. Immunol.*, 2003; 171:3385 – 3393; Jiang S. et al., *Blood*, 2003; 102:2180 – 2186; Mohly M et al., *Int. Immunol.*, 2002; 14(7):741 – 750; Tiberghien P. et al., *Blood*, 2001; 97:63 – 72 / **CD19 (B-D3) 854.782.010** Krzysiek R. et al., *J. Immunol.*, 1999; 162:4455 – 4463.

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD20	B-H20	IgG2a	Purified	200 tests / 2 ml	854.153.020	FCM
			Azide free	200 µg / 200 µl	854.150.000	BA
			FITC	100 tests / ml	854.151.010	FCM
			PE	100 tests / ml	854.152.010	FCM
CD21	B-E5	IgG2a	Purified	200 tests / 2 ml	854.163.020	FCM
			Azide free	200 µg / 200 µl	854.160.000	BA
			FITC	100 tests / ml	854.161.010	FCM
			PE	100 tests / ml	854.162.010	FCM
	B-D6	IgG1	Histology	50 tests / 2.5 ml	854.175.025	IHC
CD22	RFB4	IgG2a	Purified	200 µg / 2 ml	854.183.020	FCM
			FITC	100 tests / ml	854.181.010	FCM
			PE	100 tests / ml	854.182.010	FCM
CD23	B-G6	IgG1	Purified	200 tests / 2 ml	854.193.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.190.000	BA, IHC
			FITC	100 tests / ml	854.191.010	FCM
			PE	100 tests / ml	854.192.010	FCM
			Histology	50 tests / 2.5 ml	854.195.025	IHC
CD25 / IL-2Rα	B-B10	IgG1	Azide free	200 µg / 200 µl	852.000.000	BA
			PE	100 tests / ml	852.002.010	FCM
			Biotin	100 tests / ml	852.004.010	FCM
	B-F2	IgG1	Purified	200 tests / 2 ml	852.013.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.010.000	BA, IHC
			FITC	100 tests / ml	852.011.010	FCM
B-G3	IgG1	Histology	50 tests / 2.5 ml	852.015.025	IHC	
CD27	203.6	IgG3	Purified	200 µg / 2 ml	854.933.020	FCM
			FITC	100 tests / ml	854.931.010	FCM
			PE	100 tests / ml	854.932.010	FCM
CD28	B-T3	IgG2a	Purified	200 tests / 2 ml	854.223.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.220.000	BA
			FITC	100 tests / ml	854.221.010	FCM
			PE	100 tests / ml	854.222.010	FCM
CD29 / Integrinβ1	B-D15	IgG2a	Purified	200 tests / 2 ml	852.553.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.550.000	BA
			FITC	100 tests / ml	852.551.010	FCM
			PE	100 tests / ml	852.552.010	FCM
			Histology	50 tests / 2.5 ml	852.555.025	IHC
CD30	HRS-4	IgG1	Purified	200 µg / 2 ml	854.233.020	IHC
CD31 / PECAM-1	B-B38	IgG1	Purified	200 tests / 2 ml	852.563.020	FCM
			Azide free	200 µg / 200 µl	852.560.000	BA
			FITC	100 tests / ml	852.561.010	FCM
			PE	100 tests / ml	852.562.010	FCM
CD33	WM53	IgG1	Purified	200 µg / 2 ml	854.523.020	FCM, IHC
			FITC	100 tests / ml	854.521.010	FCM
			PE	100 tests / ml	854.522.010	FCM

CD25 / IL-2R α (B-B10) 852.000.000 Bank U. et al., *JICR* 1999; 19(11):127–1287; Groux H. et al., *J. Immunol.* 1998; 160(7):3188–3193; Wijdenes J. et al., *Progress in Leukocyte Biology* 1989; 9:551–555 / **CD28 (B-T3) 854.220.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1-2): Luiten R M. et al., *Blood*, 2003; 101:4512–4519; Röth A. et al., *Blood*, 2003; 102:849–857; Saucé D. et al., *Blood*, 2002; 99(4):1165–1173; Jourdan P. et al., *J. Immunol.*, 1998; 160:4153–4157 / **CD28 (B-T3) 854.223.020** Woerly G. et al., *J. Exp. Med.*, 1999 190(4):487–496 / **CD28 (B-T3) 854.221.010** Woerly G. et al., *J. Exp. Med.*, 1999; 190(4):487–496 / **CD33 (WM53) 854.523.020** Jiang S. et al., *Blood*, 2003; 102:2180–2186

FCM: Flow Cytometry; **IHC:** Immunohistochemistry; **WB:** Western Blot; **BA:** Biological Assay; **IP:** Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD34 Class I	B-G25	IgG1	Purified	200 tests / 2 ml	854.243.020	FCM
			Azide free	200 µg / 200 µl	854.240.000	BA
CD34 Class II	B-C34	IgG1	Purified	200 tests / 2 ml	854.590.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.593.000	BA, IHC
			FITC	100 tests / ml	854.591.010	FCM
			PE	100 tests / ml	854.592.010	FCM
	QBEND10	IgG1	Histology	50 tests / 2.5 ml	854.592.025	IHC
			Purified	200 µg / 2 ml	854.253.020	FCM, IHC
			FITC	100 tests / ml	854.251.010	FCM
			PE	100 tests / ml	854.252.010	FCM
CD34 Class III	B-F23	IgG1	Purified	200 tests / 2 ml	854.263.020	FCM
			Azide free	200 µg / 200 µl	854.260.000	BA
	B-K34	IgG1	PE	100 tests / ml	854.262.010	FCM
			PE	100 tests / ml	854.702.010	FCM
CD35	E11	IgG1	Purified	200 µg / 2 ml	854.803.020	FCM
			FITC	100 tests / ml	854.801.010	FCM
			PE	100 tests / ml	854.802.010	FCM
CD36	SMφ	IgM	Purified	200 µg / 2 ml	852.573.020	FCM
			FITC	100 tests / ml	852.571.010	FCM
CD40	B-B20	IgG1	Purified	200 tests / 2 ml	854.283.020	FCM
			Azide free	200 µg / 200 µl	854.280.000	BA
			FITC	100 tests / ml	854.281.010	FCM
			PE	100 tests / ml	854.282.010	FCM
			Biotin	100 tests / ml	854.284.010	FCM
CD41a / GPIIb	DD4.1	IgG1	Purified	200 µg / 2 ml	852.583.020	FCM
			FITC	100 tests / ml	852.581.010	FCM
			PE	100 tests / ml	852.582.010	FCM
			Biotin	100 tests / ml	852.584.010	FCM
CD42b / GPIb	AK2	IgG1	Purified	200 µg / 2 ml	852.593.020	FCM, IHC
			FITC	100 tests / ml	852.591.010	FCM
			PE	100 tests / ml	852.592.010	FCM
CD43	DFT1	IgG1	Purified	200 µg / 2 ml	854.823.020	FCM
			FITC	100 tests / ml	854.821.010	FCM
			PE	100 tests / ml	854.822.010	FCM
CD44 / Pgp-1	B-F24	IgG1	Purified	200 tests / 2 ml	852.603.020	FCM, IP
			Azide free	200 µg / 200 µl	852.600.000	BA, IP
			FITC	100 tests / ml	852.601.010	FCM
CD45	B-A11	IgG1	Purified	200 tests / 2 ml	854.303.020	FCM
			Azide free	200 µg / 200 µl	854.300.000	BA
			FITC	100 tests / ml	854.301.010	FCM
			PE	100 tests / ml	854.302.010	FCM
	B-B3	IgG1	Histology	50 tests / 2.5 ml	854.315.025	IHC

CD34 Class I (B-C34) 854.590.020 Jourdan P. et al., *J. Immunol.*, 2000; 165:716 – 724 / **CD34 Class III (B-F23) 854.260.000** Parent R. et al., *Gastroenterology*, 2004; 126:1147 – 1156 / **CD40 (B-B20) 854.280.000** De Goer de Herve M-G. et al., *Blood*, 2005; 10.1182/blood – 2004 – 12 – 4678; Durali D. et al., *Blood*, 2003; 10 – 1182; Puig-Kröger A. et al., *Blood*, 2001; 98:2175 – 2182 / **CD40 (B-B20) 854.281.010** Geissmann F. et al., *J. Immunol.*, 1999; 162:4567 – 4575; Revy P. et al., *J. Immunol.*, 1999; 163:787 – 793 / **CD40 (B-B20) 854.283.020** Moutafsi M. et al., *Blood*, 2002; 99:2913 – 2921 / **CD44 (B-F24) 852.600.000** Lefevre E. A. et al., *J. Immunol.*, 1999; 163:1119 – 1122 / **CD44 (B-F24) 852.601.010** Krzysiek R. et al., *Blood*, 2000; 96:2338 – 2345; Krzysiek R. et al., *J. Immunol.*, 1999; 162:4455 – 4463.

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD45RA	B-C15	IgG2a	Purified	200 tests / 2 ml	854.323.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.320.000	BA, IHC
			FITC	100 tests / ml	854.321.010	FCM
			PE	100 tests / ml	854.322.010	FCM
			Histology	50 tests / 2.5 ml	854.325.025	IHC
CD45RO	UCHL1	IgG2a	Purified	200 µg / 2 ml	854.333.020	FCM, IHC
			FITC	100 tests / ml	854.331.010	FCM
			PE	100 tests / ml	854.332.010	FCM
			Biotin	100 tests / ml	854.334.010	FCM
CD48 / BLAST-1	MEM102	IgG1	Purified	200 µg / 2 ml	852.613.020	FCM, IP
			FITC	100 tests / ml	852.611.010	BA, FCM, IP
			PE	100 tests / ml	852.612.010	FCM
CD49b / Integrinα2	AK-7	IgG1	Purified	200 µg / 2 ml	852.623.020	FCM, IHC
			FITC	100 tests / ml	852.621.010	FCM, IHC
			PE	100 tests / ml	852.622.010	FCM, IHC
CD49c / Integrinα3	MiKd2	IgG1	Purified	200 µg / 2 ml	852.633.020	FCM, IP
			FITC	100 tests / ml	852.631.010	FCM
			PE	100 tests / ml	852.632.010	FCM
			Biotin	100 tests / ml	852.634.010	FCM
CD49d / Integrin α4	BU49	IgG1	Purified	200 µg / 2 ml	852.793.020	FCM
			FITC	100 tests / ml	852.791.010	FCM
			PE	100 tests / ml	852.792.010	FCM
CD49e / Integrin α5	SAM-1	IgG2b	Purified	200 µg / 2 ml	852.653.020	FCM, IHC
			FITC	100 tests / ml	852.651.010	FCM, IHC
			PE	100 tests / ml	852.652.010	FCM, IHC
CD49f / Integrinα6	4F10	IgG2b	Purified	200 µg / 2 ml	852.663.020	FCM, IP
			FITC	100 tests / ml	852.661.010	FCM
			PE	100 tests / ml	852.662.010	FCM
CD50 / ICAM-3	B-R1	IgG1	Purified	200 tests / 2 ml	852.673.020	FCM, IP
			Azide free	200 µg / 200 µl	852.670.000	BA, IP
			FITC	100 tests / ml	852.671.010	FCM
CD51 / IntegrinαV	13C2	IgG1	Purified	200 µg / 2 ml	852.683.020	FCM, IHC
			FITC	100 tests / ml	852.681.010	FCM, IHC
			PE	100 tests / ml	852.682.010	FCM, IHC
CD53	TS53	IgG1	Azide free	200 µg / 200 µl	857.760.000	FCM, IP, WB
CD54 / ICAM-1	B-H17	IgG1	Purified	200 tests / 2 ml	852.693.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.690.000	BA, FCM, IHC
			FITC	100 tests / ml	852.691.010	FCM
			PE	100 tests / ml	852.692.010	FCM
CD55	143.30	IgG1	Purified	200 tests / 2 ml	854.353.020	FCM
			FITC	100 tests / ml	854.351.010	FCM
			PE	100 tests / ml	854.352.010	FCM
			Biotin	100 tests / ml	854.354.010	FCM

CD45 RA (B-C15) 854.323.020 Krzysiek R. et al., *J. Immunol.*, 1999; 162:4455 – 4463 / **CD45 RA (B-C15) 854.321.010** Koopman G. et al., *J. Gen. Virol.*, 2004; 85:2915 – 2924 / **CD45 RA (B-C15) 854.322.010** Garnache-Ottou F. et al., *Blood*, 2005; 105(3):1256 – 1264; Al-Bader T. et al., *Infect. Immun.*, 2003; 71:5590 – 5597; Canto E. et al., *J. Leukoc. Biol.*, 2003; 74:998 – 1007 / **CD45 RO (UCHL1) 854.333.020** Krzysiek R. et al., *J. Immunol.*, 1999; 162:4455 – 4463 / **CD53 (TS53) 857.760.000** Charrin S. et al., *Eur. J. Immunol.*, 2003; 33:2479 – 2489; Charrin S. et al., *Biochem. J.*, 2003; 373:409 – 421; Charrin S. et al., *Biochem. Biophys. Res. Commun.*, 2003; 304:107 – 112; Charrin S. et al., *FEBS Lett.*, 2002; 516:139 – 144 / **CD54/ICAM-1 (B-H17) 852.690.000** Ticchioni M. et al., *FASEB J.*, 2001; 15(2):341 – 350

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD56 / NCAM	B-A19	IgG1	Purified	200 tests / 2 ml	852.703.020	FCM
			Azide free	200 µg / 200 µl	852.700.000	BA
			PE	100 tests / ml	852.702.010	FCM
	MEM188	IgG2a	FITC	100 tests / ml	853.121.010	FCM
CD57	NK-1	IgM	Purified	200 µg / 2 ml	854.833.020	FCM
CD58	B-L28	IgG1	Purified	200 tests / 2 ml	854.632.020	FCM
			Azide free	200 µg / 200 µl	854.630.000	BA
			PE	100 tests / ml	854.632.010	FCM
CD59	MEM43	IgG2a	Purified	200 µg / 2 ml	854.363.020	FCM, IHC
			FITC	100 tests / ml	854.361.010	FCM
			PE	100 tests / ml	854.362.010	FCM
CD61 / Integrinβ3 / GPIIIa	PM6/13	IgG1	Purified	200 µg / 2 ml	852.723.020	FCM
			FITC	100 tests / ml	852.721.010	FCM
			PE	100 tests / ml	852.722.010	FCM
CD62E / E-Selectin	B-P7	IgG1	Purified	200 tests / 2 ml	852.733.020	FCM
			Azide free	200 µg / 200 µl	852.730.000	BA
CD62L / L-Selectin	B-S13	IgG1	Purified	200 tests / 2 ml	852.783.020	FCM
			Azide free	200 µg / 200 µl	852.780.000	BA
			PE	100 tests / ml	852.782.010	FCM
CD62P / P-Selectin	AK6	IgG1	Purified	200 µg / 2 ml	852.753.020	FCM
			FITC	100 tests / ml	852.751.010	FCM
			PE	100 tests / ml	852.752.010	FCM
			Biotin	100 tests / ml	852.754.010	FCM
CD63	TS63	IgG1	Azide free	200 µg / 200 µl	857.770.000	FCM, IP, WB
CD64	10.1	IgG1	Purified	200 µg / 2 ml	854.373.020	FCM, IHC
			FITC	100 tests / ml	854.371.010	FCM
			PE	100 tests / ml	854.372.010	FCM
CD71	B-G24	IgG1	Purified	200 tests / 2 ml	854.393.020	FCM
			Azide free	200 µg / 200 µl	854.390.000	BA
			FITC	100 tests / ml	854.391.010	FCM
			PE	100 tests / ml	854.392.010	FCM
CD75	B-L5	IgM	Purified	200 µg / 2 ml	854.423.020	FCM
			Azide free	200 µg / 200 µl	854.420.000	BA
CD79a	ZL7-4	IgG1	Purified	200 µg / 2 ml	854.813.020	FCM
			FITC	100 tests / ml	854.811.010	FCM
CD80 / B7 / BB1	BB-1	IgM	Purified	200 µg / 2 ml	854.433.020	FCM
			FITC	100 tests / ml	854.431.010	FCM
			Biotin	100 tests / ml	854.434.010	FCM
CD81	TS81	IgG2a	Azide free	200 µg / 200 µl	857.780.000	FCM, IP, WB

CD56 (B-A19) 852.700.000 Jiang S. et al., *Blood*, 2003; 102:2180 – 2186. / **CD63 (TS63) 857.770.000** Charrin S. et al., *FEBS Lett.*, 2002; 516:139 – 144; Sordat I. et al., *Lab. Invest.*, 2002; 82:1715 – 1724; Charrin S. et al., *J. Biol. Chem.*, 2001; 276:14329 – 14337. / **CD64 (10.1) 854.373.020** Manches O. et al., *Blood*, 2003; 101:949 – 954. / **CD81 (TS81) 857.780.000** Charrin S. et al., *Eur. J. Immunol.*, 2003; 33:2479 – 2489; Charrin S. et al., *Biochem. J.*, 2003; 373:409 – 421; Charrin S. et al., *Biochem. Biophys. Res. Commun.*, 2003; 304:107 – 112; Charrin S. et al., *FEBS Lett.*, 2002; 516:139 – 144; Charrin S. et al., *J. Biol. Chem.*, 2001; 276:14329 – 14337

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Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD82	B-L2	IgG1	Purified	200 tests / 2 ml	854.443.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.440.000	BA, IHC
			PE	100 tests / ml	854.442.010	FCM
			Histology	50 tests / 2.5 ml	854.445.025	IHC
	TS82b	IgG1	Azide free	200 µg / 200 µl	857.790.000	FCM, IP, WB
CD86	B-T7	IgG1	Purified	200 tests / 2 ml	854.453.020	FCM
			Azide free	200 µg / 200 µl	854.450.000	BA
			FITC	100 tests / ml	854.451.010	FCM
			PE	100 tests / ml	854.452.010	FCM
CD95 / Fas	B-D29	IgG1	Purified	200 tests / 2 ml	853.033.020	FCM
			Azide free	200 µg / 200 µl	853.030.000	BA, FCM
	B-G27	IgG2a	Purified	200 tests / 2 ml	853.003.020	FCM, IHC
			Azide free	200 µg / 200 µl	853.000.000	BA, IHC
			FITC	100 tests / ml	853.001.010	FCM
			PE	100 tests / ml	853.002.010	FCM
CD99	B-N24	IgG1	Purified	200 tests / 2 ml	854.613.020	FCM
			Azide free	200 µg / 200 µl	854.610.000	BA
			PE	100 tests / ml	854.612.010	FCM
CD102 / ICAM-2	B-T1	IgG1	Purified	200 tests / 2 ml	852.763.020	FCM, IP
			Azide free	200 µg / 200 µl	852.760.000	BA, IP
			FITC	100 tests / ml	852.761.010	FCM
CD103 / IntegrinαE	2G5	IgG2a	Purified	200 µg / 2 ml	852.803.020	FCM, IHC, IP
CD105	8E11	IgM	Purified	200 µg / 2 ml	854.483.020	FCM
			FITC	100 tests / ml	854.481.010	FCM
CD106 / VCAM-1	B-K9	IgG1	Purified	200 tests / 2 ml	852.773.020	FCM
			Azide free	200 µg / 200 µl	852.770.000	BA
CD107a	B-T47	IgG1	Purified	200 tests / 2 ml	852.903.020	FCM
			Azide free	200 µg / 200 µl	852.900.000	BA
			FITC	100 tests / ml	852.901.010	FCM
			PE	100 tests / ml	852.902.010	FCM
CD109	B-E47	IgG1	Purified	200 tests / 2 ml	854.573.020	FCM
			Azide free	200 µg / 200 µl	854.570.000	BA
			PE	100 tests / ml	854.572.010	FCM
CD112 / Stem Cells / PRR2	B-C12	IgG2b	Purified	200 tests / 2 ml	857.003.020	FCM, IHC
			Azide free	200 µg / 200 µl	857.000.000	BA, IHC
			Histology	50 tests / 2.5 ml	857.005.025	IHC
CD117 / c-Kit	B-K15	IgG1	Purified	200 tests / 2 ml	854.513.020	FCM
			Azide free	200 µg / 200 µl	854.510.000	BA
			PE	100 tests / ml	854.512.010	FCM
			Biotin	100 tests / ml	854.514.010	FCM

CD82 (B-L2) 854.440.000 Zhou B. et al., *Cancer Res.*, 2004; 64:7455 – 7463 / **CD82 (B-L2) 854.442.010** Scoenfeld N. et al., *FASEB*, 2003; 10:1096 / **CD82 (TS82b) 857.790.000** Charrin S. et al., *Eur. J. Immunol.*, 2003; 33:2479 – 2489; Charrin S. et al., *Biochem. J.*, 2003; 373:409 – 421; Charrin S. et al., *FEBS Lett.*, 2002; 516:139 – 144; Charrin S. et al., *J. Biol. Chem.*, 2001; 276:14329 – 14337 / **CD86 (B-T7) 854.450.000** Puig-Kröger A. et al., *Blood*, 2001; 98:2175 – 2182; Pellat-Deceunynck C. et al., *Clin. Cancer Res.*, 1999; 5:705 – 709; Krzysiek R. et al., *AIDS Res. Hum. Retroviruses*, 1998; 14:989 – 997 / **CD86 (B-T7) 854.451.010** Woerly G. et al., *J. Exp. Med.*, 1999; 190(4):487 – 496 / **CD86 (B-T7) 854.452.010** Garnache-Ottou F. et al., *Blood*, 2005; 105(3): 1256 – 1264. / **CD95/Fas (B-G27) 853.003.020** Girard M. et al., *Int. J. Parasitol.*, 2003; 33:713 – 720; Lautrette C. et al., *Neuroscience* 2003; 119:377 – 385 / **CD95/Fas (B-G27) 853.001.010** Badr G. et al., *J. Immunol.*, 2005; 175:302 – 310; Lautrette C. et al., *J. Chromatogr.*, 2003; 791:149 – 160; Lautrette C. et al., *Neuroscience* 2003; 119:377 – 385 / **CD102/ICAM-2 (B-T1) 852.761.010** Carreno M-P et al., *J. Virol.*, 2002; 76:32 – 40 / **CD106/VCAM-1 (B-K9) 852.770.000** Bompais H. et al., *Blood*; 2004; 103:2577 – 2584; Ticchioni M. et al., *FASEB* 2001; 15(2):341 – 350 / **CD112/PRR2 (B-C12) 857.000.000** Lopez M. et al., *J. Virol.*, 2000; 74(3): 1267 – 1274; Lopez M. et al., *Blood*, 1998; 92:4602 – 4611

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD126 / IL-6R	B-R6	IgG1	Purified	200 tests / 2 ml	852.033.020	FCM, IHC
			Azide free	200 µg / 200 µl	852.030.000	BA, IHC
			FITC	100 tests / ml	852.031.010	FCM
	B-F19	IgG1	Azide free	200 µg / 200 µl	852.040.000	BA, FCM
B-N12	IgG1	Azide free	200 µg / 200 µl	852.050.000	BA, FCM	
CD130 / gp130	B-R3	IgG2a	Purified	200 tests / 2 ml	852.063.020	FCM
			Azide free	200 µg / 200 µl	852.060.000	BA
			FITC	100 tests / ml	852.061.010	FCM
	B-K5	IgG1	Azide free	200 µg / 200 µl	852.070.000	BA
	B-P8	IgG1	Azide free	200 µg / 200 µl	852.080.000	BA
	B-P4	IgG1	Azide free	200 µg / 200 µl	852.090.000	BA, IP, WB
B-K11	IgG2b	Azide free	200 µg / 200 µl	852.100.000	BA	
B-S12	IgG1	Azide free	200 µg / 200 µl	852.110.000	BA, IP, WB	
CD138 / Syndecan-1	B-A38	IgG1	Purified	200 tests / 2 ml	854.073.020	FCM, IHC
			Azide free	200 µg / 200 µl	854.070.000	BA, IHC
			FITC	100 tests / ml	854.071.010	FCM
			PE	100 tests / ml	854.072.010	FCM
			Histology	50 tests / 2.5 ml	854.079.025	IHC
Biotin	100 tests / ml	854.074.010	FCM			
CD141 / Thrombomodulin	B-A35	IgG1	Purified	200 tests / 2 ml	854.583.020	FCM
			Azide free	200 µg / 200 µl	854.580.000	BA
			FITC	100 tests / ml	854.581.010	FCM
CD151 / PETA-3	B-E31	IgG1	Purified	200 tests / 2 ml	854.533.020	FCM
			Azide free	200 µg / 200 µl	854.530.000	BA
CD154 / CD40 Ligand	B-B29	IgG2a	Purified	200 tests / 2 ml	854.293.020	FCM
			Azide free	200 µg / 200 µl	854.290.000	BA
			FITC	100 tests / ml	854.291.010	FCM
			PE	100 tests / ml	854.292.010	FCM
CDw156c / ADAM-10	11G2	IgG1	Azide free	200 µg / 200 µl	852.900.000	BA
CD178 / Fas Ligand	B-R17	IgG1	Purified	200 tests / 2 ml	853.073.020	FCM
			Azide free	200 µg / 200 µl	853.070.000	BA
			Biotin	100 tests / ml	853.074.010	FCM
CD184 / CXCR4	B-R24	IgG1	Purified	200 tests / 2 ml	854.603.020	FCM
			Azide free	200 µg / 200 µl	854.600.000	BA
CD195 / CCR5	12D1	IgG2a	Purified	200 µg / 2 ml	853.103.020	FCM, WB

CD126/IL-6R/gp80 (B-N12) 852.050.000 Kube D. et al., *Blood*, 2001; 98:762 – 770 / **CD126/IL-6R/gp80 (B-R6) 852.030.000** Burger R. et al., *The Haematology Journal*, 2001; 2:42 – 53; Dubois B. et al., *J. Immunol.*, 1999; 162:3428 – 3436; Dubois B. et al., *J. Immunol.*, 1998; 161:2223 – 2231; Menetrier-Caux C. et al., *Blood*, 1998; 92:4778 – 4791 / **CD126/IL-6R/gp80 (B-R6) 852.033.020** Hess S. et al., *J. Immunol.*, 2000; 165:1939 – 1948 / **CD126/IL-6R/gp80 (B-R6) 852.031.010** Menetrier-Caux C. et al., *Blood*, 2001; 61:3096 – 3104 / **CD130/gp130 (B-K11) 852.100.000** Müller-Newen G. et al., *J. Biol. Chem.*, 2000; 275 (7):4578 – 4586 / **CD130/gp130 (B-P4) 852.090.000** Buk D. M. et al., *J. Cell Sci.*, 2004; 117:2063 – 2075; Classen-Linke I. et al., *Mol. Hum. Reprod.*, 2004; 10:495 – 504; Selander K.S. et al., *Cancer Res.*, 2004; 64:6924 – 6933; Giese B. et al., *J. Biol. Chem.*, 2003; 278:39205 – 39213; Müller-Newen G. et al., *J. Biol. Chem.*, 2000; 275 (7):4578 – 4586; Pflanz S. et al., *J. Immunol.*, 2000; 165:7042 – 7049; Kurth I. et al., *J. Immunol.*, 1999; 162:1480 – 1487 / **CD130/gp130 (B-P8) 852.080.000** Giese B. et al., *J. Biol. Chem.*, 2003; 278:39205 – 39213; Müller-Newen G. et al., *J. Biol. Chem.*, 2000; 275 (7):4578 – 4586; Rebouissou C. et al., *Blood*, 1998; 91:4727 – 4737; Wijdenes J. et al., *Eur. J. Immunol.*, 1995; 25:3474 – 481 / **CD130/gp130 (B-R3) 852.060.000** Duplomb L. et al., *Endocrinology*, 2003; 144:5381 – 5389; Burger R. et al., *The Haematology Journal*, 2001; 2:42 – 53; Kube D. et al., *Blood*, 2001; 98:762 – 770; Taupin J-L. et al., *J. Biol. Chem.*, 2001; 276:47975 – 47981; Müller-Newen G. et al., *J. Biol. Chem.*, 2000; 275 (7):4578 – 4586; Blanchard M. et al., *J. Biol. Chem.*, 1998; 273:20886 – 20893; Chevalier S. et al., *J. Biol. Chem.*, 1996; 271:14764 – 72 / **CD130/gp130 (B-R3) 852.063.020** Kurth I. et al., *J. Immunol.*, 2000; 164:273 – 282 / **CD130/gp130 (B-R3) 852.061.010** Menetrier-Caux C. et al., *Cancer Res.*, 2001; 61:3096 – 3104 / **CD130/gp130 (B-S12) 852.110.000** Selander K.S. et al., *Cancer Res.*, 2004; 64:6924 – 6933; Giese B. et al., *J. Biol. Chem.*, 2003; 278:39205 – 39213; Voisin M-B. et al., *J. Biol. Chem.*, 2002; 277:13682 – 13692; Kube D. et al., *Blood*, 2001; 98:762 – 770; Müller-Newen G. et al., *J. Biol. Chem.*, 2000; 275 (7):4578 – 4586; Rebouissou C. et al., *Blood*, 1998; 91:4727 – 4737; Wijdenes J. et al., *Eur. J. Immunol.*, 1995; 25:3474 – 81 / **CD178/Fas Ligand (B-R17) 853.073.020** Girard M. et al., *Int. J. Parasitol.*, 2003; 33:713 – 720.

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Mouse monoclonal antibodies to Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
CD202b / Tie-2 / TEK	B-B48	IgG1	Purified	200 tests / 2 ml	854.713.020	FCM
			Azide free	200 µg / 200 µl	854.710.000	BA
CD213a1 / IL-13Rα1	B-K19	IgG1	Azide free	200 µg / 200 µl	852.130.000	BA
			PE	100 tests / ml	852.132.010	FCM
			Biotin	100 tests / ml	852.134.010	FCM
CD213a2 / IL-13Rα2	B-D13	IgG1	Azide free	200 µg / 200 µl	852.120.000	BA
			PE	100 tests / ml	852.122.010	FCM
CDw218a / IL-18Rα	B-E43	IgG1	Purified	200 tests / 2 ml	854.903.020	FCM
			Azide free	200 µg / 200 µl	854.900.000	BA
			PE	100 tests / ml	854.902.010	FCM
CDw218b / IL-18Rβ	B-B46	IgG1	Purified	200 tests / 2 ml	854.913.020	FCM
			Azide free	200 µg / 200 µl	854.910.000	BA
			PE	100 tests / ml	854.912.010	FCM
CD253 / TRAIL / APO2L	B-S23	IgG1	Purified	200 tests / 2 ml	853.083.020	FCM
			Azide free	200 µg / 200 µl	853.080.000	BA
			PE	100 tests / ml	853.082.010	FCM
			Biotin	100 tests / ml	853.084.010	FCM
	B-T24	IgG1	Purified	200 tests / 2 ml	853.093.020	FCM
			Azide free	200 µg / 200 µl	853.090.000	BA
CD261 / TRAIL R1 / DR4	B-N36	IgG1	Purified	200 tests / 2 ml	854.853.020	FCM
			Azide free	200 µg / 200 µl	854.850.000	BA
			PE	100 tests / ml	854.852.010	FCM
	B-N28	IgG1	Azide free	200 µg / 200 µl	852.980.000	WP, IP
			CD262 / TRAIL R2 / DR5	B-K29	IgG1	Purified
Azide free	200 µg / 200 µl	854.900.000				BA
PE	100 tests / ml	854.902.010				FCM
	B-D37	IgG2b	Azide free	200 µg / 200 µl	854.870.000	BA, WB, IP
CD263 / TRAIL R3 / DcR1	B-D44	IgG1	Purified	200 tests / 2 ml	854.893.020	FCM
			Azide free	200 µg / 200 µl	854.890.000	BA
			PE	100 tests / ml	854.892.010	FCM
	B-H47	IgG1	Azide free	200 µg / 200 µl	852.990.000	WB
CD264 / TRAIL R4 / DcR2	B-R27	IgG1	Purified	200 tests / 2 ml	852.973.020	FCM
			PE	100 tests / ml	852.972.010	FCM
			B-P30	IgG1	Azide free	200 µg / 200 µl

CD213a1/IL-13R α 1 (B-K19) 852.130.000 Blanchard C. et al., *J. Immunol.*, 2004; 172:3775 – 3783; Kawakami K. et al., *Clin. Cancer Res.*, 2003; 9:6381 – 6388; Joshi B. H. et al., *Clin. Cancer Res.*, 2002; 8:1948 – 1956 / **CD213a1/IL-13R α 1 (B-K19) 852.132.010** Kawakami K. et al., *Mol. Cancer Ther.*, 2004; 3:137 – 147 / **CD213a1/IL-13R α 1 (B-K19) 852.134.010** Andrews R.P. et al., *J. Immunol.*, 2001; 166:1716 – 1722 / **CD213a2/IL-13R α 2 (B-D13) 852.120.000** Blanchard C. et Kawakami K. et al., *Clin. Cancer Res.*, 2003; 9: 6381 – 6388; al., *J. Immunol.*, 2004; 172:3775 – 3783; Kawakami K. et al., *Mol. Cancer Ther.*, 2004; 3:137 – 147; Kawakami K. et al., *J. Immunol.*, 2002; 169:7119 – 7126; Lordan J L. et al., *J. Immunol.*, 2002; 169:407 – 414; Joshi B. H. et al., *Clin. Cancer Res.*, 2002; 8:1948 – 1956 / **CDw218a/IL-18R α (B-E43) 854.900.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2):101 – 104 / **CDw218b/IL-18R β (B-B46) 854.910.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2):101 – 104 / **CD253/TRAIL/APO2L (B-S23) 853.080.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2): 86 – 91 / **CD253/TRAIL/APO2L (B-S23) 853.082.010** Bremer E. et al., *Cancer Res.*, 2005; 65: 3380 – 3388; Bremer E. et al., *J. Biol. Chem.*, 2005; 280:10025 – 10033; Herbeuval J-P. et al., *Blood*, 2005; 105:2458 – 2464 / **CD253/TRAIL/APO2L (B-T24) 853.090.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2): 86 – 91 / **CD261/TRAIL R1/DR4 (B-N36) 854.850.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2): 86 – 91 / **CD262/TRAIL R2/DR5 (B-K29) 854.860.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2):86 – 91 / **CD262/TRAIL R2/DR5 (B-D37) 854.870.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2): 86 – 91 / **CD263/TRAIL R3/DcR1 (B-D44) 854.890.000** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2): 86 – 91 / **CD264/TRAIL R4/DcR2 (B-R27) 852.973.020** Vermot-Desroches C. et al., *Cell Immunol.*, 2005; 236(1 – 2):86 – 91

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

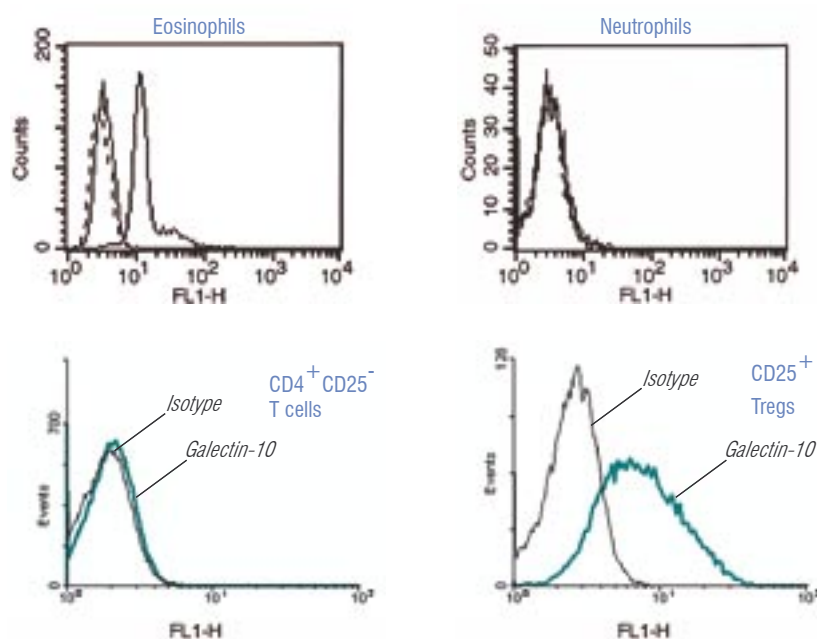
Miscellaneous Antibodies

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
ADAM-10 / CDw156c	11G2	IgG1	Azide Free	200 µg / 200 µl	857.800.000	FCM, IP, WB
BIOTIN	B-E24	IgG1	Azide Free	200 µg / 200 µl	857.060.000	BA, FCM, IHC
Galectin-10	B-F42	IgG1	Purified	200 tests / 2 ml	852.963.020	FCM, IF
HLA Class I	B-D11 W6/32	IgG1 IgG2a	Histology	50 tests / 2.5 ml	857.025.025	IHC
			Purified	200 tests / 2 ml	857.223.020	FCM
			Azide free	200 µg / 200 µl	857.220.000	BA
			FITC	100 tests / ml	857.221.010	FCM
HLA Class II (DQ)	B-K27	IgG2a	Purified	200 tests / 2 ml	857.213.020	FCM
			Azide free	200 µg / 200 µl	857.210.000	BA
HLA Class II (DR)	B-F1	IgG1	Purified	200 tests / 2 ml	857.033.020	FCM, IP
			Azide free	200 µg / 200 µl	857.030.000	BA, IP
			FITC	100 tests / ml	857.031.010	FCM
			PE	100 tests / ml	857.032.010	FCM
			Biotin	100 tests / ml	857.034.010	FCM
HLA Class II (DR+DP+DQ)	IQU9	IgG2a	Purified	200 µg / 2 ml	857.133.020	FCM
			FITC	100 tests / ml	857.131.010	FCM
			PE	100 tests / ml	857.132.010	FCM
Neurotensin Receptor 1	B-N6	IgM	Purified	200 tests / 2 ml	857.043.020	FCM
			Azide free	200 µg / 200 µl	857.040.000	BA

Mouse monoclonal antibody to Human Galectin-10

Galectin-10 is a member of the lectin family, a group of proteins known for their ability to bind glycoproteins. Galectin-10 has been exclusively described in human granulocytes and has been found to be a major constituent of proteins expressed by certain granulocytes (basophil and eosinophils). In addition to being a key marker for these cell types, galectin-10 has been recently found to have a role for T regulatory cell function. Expression was initially found to be expressed exclusively in by CD4⁺ CD25⁺ Tregs compared to CD4⁺ CD25⁻ T cells. The importance of this finding was underscored following siRNA experiments, specific siRNA for galectin-10 downregulated galectin-10 expression in Tregs and led to abrogation of their anergic state and elimination of their suppressive capacity.

In addition, Diaclone anti galectin-10 monoclonal antibody allows identification of human basophils and eosinophils.



Courtesy of D. G. Weeren, Pasteur Institute, Lille (France)

Indirect Intracytoplasmic staining of galectin-10 in human eosinophils and neutrophils.

Cells were isolated, fixed and permeabilized with Saponin 0.1% and stained with the non-conjugated anti-galectin-10, B-F42, or isotype-matched irrelevant mAb (isotype ctrl) and visualized with anti-mouse IgG1 FITC conjugated. The data shown is representative of five similar experiments.

Courtesy of D. C. Becker, University of Mainz (Germany)

Indirect Intracytoplasmic staining of galectin-10 on purified human CD4 + CD25 - T cells (left) and CD25 + Tregs (right)

Cells were isolated, fixed and permeabilized with Saponin 0.1% and stained with the non-conjugated anti-galectin-10, B-F42, or isotype-matched irrelevant mAb (isotype ctrl) and visualized with anti-mouse IgG1 FITC conjugated. The data shown is representative of five similar experiments.

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

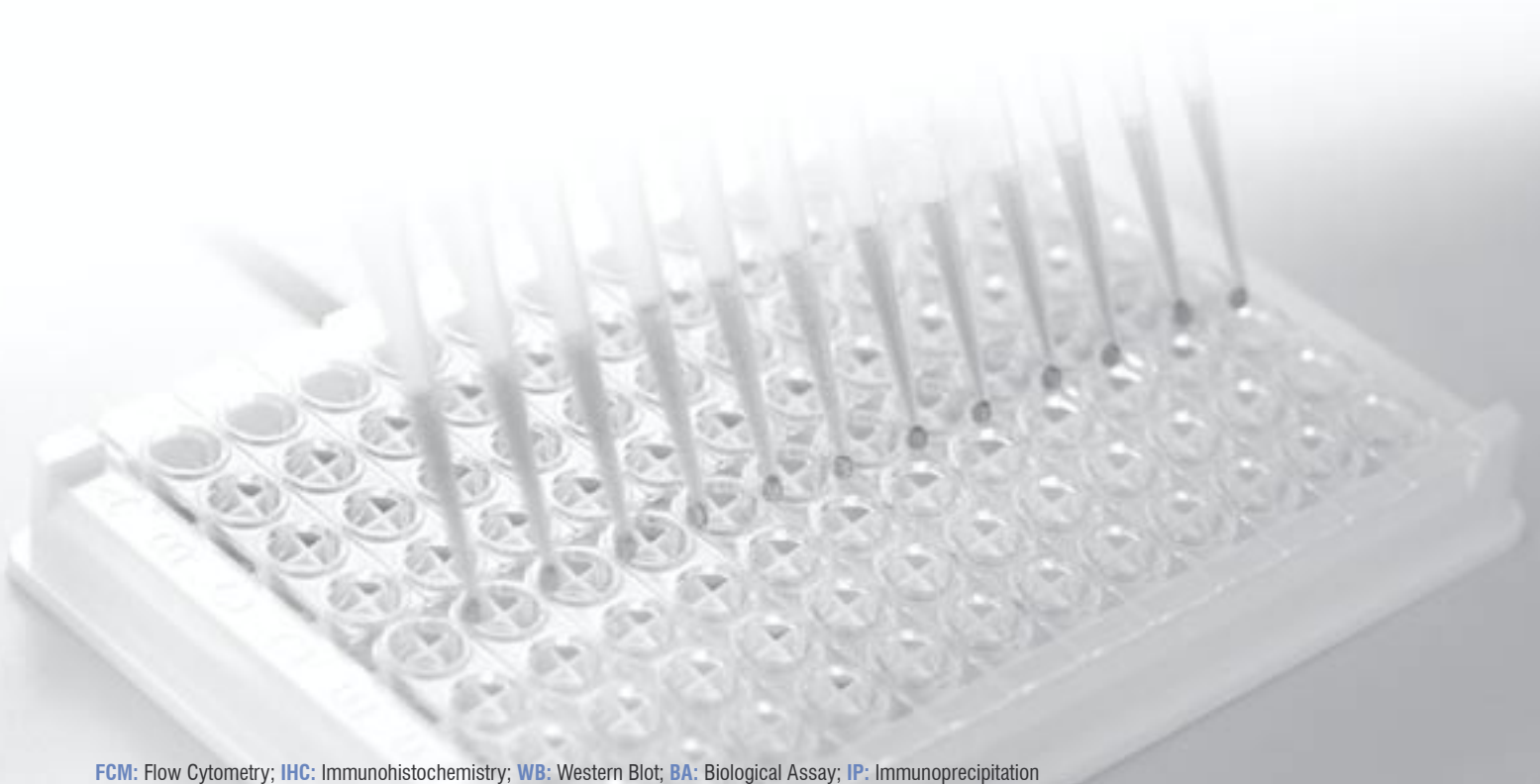
Mouse Immunoglobulin Isotype Controls

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
Control IgG1	B-Z1	IgG1	Purified	200 tests / 2 ml	857.073.020	FCM
			Azide free	200 µg / 200 µl	857.070.000	BA
			FITC	100 tests / ml	857.071.010	FCM
			PE	100 tests / ml	857.072.010	FCM
			Biotin	100 tests / ml	857.074.010	FCM
Control IgG2a	B-Z2	IgG2a	Purified	200 tests / 2 ml	857.083.020	FCM
			Azide free	200 µg / 200 µl	857.080.000	BA
			FITC	100 tests / ml	857.081.010	FCM
			PE	100 tests / ml	857.082.010	FCM
			Biotin	100 tests / ml	857.084.010	FCM
Control IgG2b	B-E4	IgG2b	FITC	100 tests / ml	857.731.010	FCM
			PE	100 tests / ml	857.732.010	FCM
Control IgM	DD5	IgM	Purified	200 µg / 2 ml	857.903.020	FCM
			FITC	100 tests / ml	857.901.010	FCM
			PE	100 tests / ml	857.902.010	FCM

Lysing Solution

Lysing solution, 125 tests Cat N° 858.040.125

Diaclone lysing buffer is an erythrocyte ready to use lysing solution used for the preparation of lymphocytes in whole blood for their analysis by flow cytometry. This procedure allows to define populations of lymphocytes, monocytes and granulocytes by forward and side scatters without isolating the cell populations before analysis. The lysing solution is stable at room temperature. A vial contains enough reagent for 125 tests.



FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Specificity	Clone	Isotype	Biological Activity
CD2	B-E2	IgG2b	Inhibits mixed lymphocyte culture
CD3	B-B11	IgG1	Induces T lymphocyte activation
CD4	B-A1	IgG2a	Inhibits mixed lymphocyte culture
CD10	B-E3	IgG2a	Triggers cytotoxicity on CD10 cells
CD21	B-E5	IgG2a	Induces human B lymphocyte proliferation / Competes with EBV virus CD21 binding
CD25	B-B10	IgG1	Inhibits mixed lymphocyte culture
CD25	B-F2	IgG1	Inhibits mixed lymphocyte culture
CD28	B-T3	IgG2a	Inhibits mixed lymphocyte culture. Co-stimulates T cell proliferation
CD34 Class 1	B-G25	IgG1	Triggers KG1a cell aggregation
CD40	B-B20	IgG1	Stimulates B cell proliferation together with IL-4
CD44	B-F24	IgG1	Triggers T cell aggregation. Enhances hyaluronan binding to CD44
CD54	B-H17	IgG1	Inhibits PHA stimulated T cell proliferation
CD86	B-T7	IgG1	Inhibits mixed lymphocyte culture
CD95	B-D29	IgG1	Inhibits FAS induced apoptosis
CD95	B-G27	IgG2a	Triggers FAS induced apoptosis
CD95	B-G30	IgG1	Triggers FAS induced apoptosis
CD102	B-T1	IgG1	Inhibits cell adhesion and T cell activation
CD106	B-K9	IgG1	Blocks cell attachment to VCAM-1
CD117	B-K15	IgG1	Inhibits Kit-Ligand induced proliferation of TF1 cell line
CD126	B-R6	IgG1	Blocks IL-6 induced proliferation of XG-1 cell line
CD126	B-F19	IgG1	Blocks IL-6 induced proliferation of XG-1 cell line / Blocks IL-6 binding to its receptor
CD130	B-R3	IgG2a	Inhibits IL-6, IL-11, CNTF, LIF and OSM activity
CD130	B-K5	IgG1	Inhibits CNTF activity. Inhibits OSM binding to gp130
CD130	B-P8	IgG1	Inhibits CNTF activity and binding to gp130, activation, Jak 1, Jak 2, Stat 1 and Stat 3 phosphorylation
CD130	B-P4	IgG1	Inhibits IL-11 activity and binding to gp130, but not CNTF, LIF and OSM activities
CD130	B-S12	IgG1	Activates cells carrying gp130. Induced gp130 activation, Jak1, Jak2, Stat1 and Stat3 phosphorylation
CD178	B-R17	IgG1	Blocks soluble CD178 induced apoptosis
CD184	B-R24	IgG1	Inhibits HIV-1 infection
Anti HLA Class 1	W6/32	IgG1	Blocks the interaction between T cells and MHC molecules
Anti IFN γ	B-B1	IgG1	Blocks human IFN γ induced proliferation
Anti IL-1 β	B-A15	IgG1	Blocks human IL-1 beta induced proliferation on D10S murine cell line
Anti IL-2	B-G5	IgG1	Blocks human IL-2 induced proliferation on CTL-L2 murine cell line
Anti IL-4	B-S4	IgG1	Blocks human IL-4 induced proliferation on TF1 cell line
Anti IL-6	B-E8	IgG1	Blocks human IL-6 induced proliferation on B9 cell line
Anti IL-8	B-K8	IgG1	Blocks human IL-8 induced chemotaxis on human neutrophils
Anti IL-10	B-S10	IgG1	Blocks human IL-10 induced proliferation on MC-9 cell line
Anti IL-12 p35 + p70	B-T21	IgG1	Blocks human IL-12 induced proliferation on PHA & IL-2 activated lymphocytes
Anti IL-12 p40 + p70	B-P24	IgG1	Blocks human IL-12 induced proliferation on PHA & IL-2 activated lymphocytes
Anti IL-13	IgG1	B-B13	Blocks human IL-13 induced proliferation on TF1 cell line
Anti IL-15	IgG1	B-E29	Blocks human IL-15 induced proliferation on Kit 225 cell line
Anti IL-18 R α / CDw218a	B-E43	IgG1	Blocks human IFN γ secretion by IL-18 stimulated KG-1 cells
Anti IL-18 R β / CDw218b	B-B46	IgG1	Blocks human IFN γ secretion by IL-18 stimulated KG-1 cells
Anti NTR1	IgM	B-N6	Inhibits neurotensin binding to its receptor
Anti TNF α	IgG1	B-C7	Block TNF α induced cytotoxicity on U937 cells
Anti TRAIL / CD253	IgG1	B-S23	Enhances TRAIL induced apoptosis
Anti TRAIL / CD253	IgG1	B-T24	Inhibits TRAIL induced apoptosis
Anti TRAIL R1 / CD261	IgG1	B-N36	Neutralizes TRAIL induced apoptosis of HEL cell line
Anti TRAIL R2 / CD262	IgG1	B-K29	Neutralizes TRAIL induced apoptosis of U937 cell line
	IgG2b	B-D37	Agonist: induced apoptosis on Jurkat cells Enhances TRAIL induced apoptosis of U937 cell line
Anti TRAIL R3 / CD263	IgG1	B-D44	Inhibits TRAIL binding to TRAIL R3

Human CD Antigens

Specificity	Clone	Isotype	Format	Size	Cat N°	Application
IgG1 / IgG1 CTRL	B-Z1 / B-Z1	IgG1 / IgG1	FITC / PE	50 tests	873.001.050	FCM
IgG1 / IgG2a CTRL	B-Z1 / B-Z2	IgG1 / IgG2a	FITC / PE	50 tests	873.002.050	FCM
IgG1 / IgG2b CTRL	B-Z1 / B-E4	IgG1 / IgG2b	FITC / PE	50 tests	873.035.050	FCM
IgG2b / IgG1 CTRL	B-E4 / B-Z1	IgG2b / IgG1	FITC / PE	50 tests	873.036.050	FCM
IgG2a / IgG1 CTRL	B-Z2 / B-Z1	IgG2a / IgG1	FITC / PE	50 tests	873.005.050	FCM
CD2 / CD25	B-E2 / B-B10	IgG2b / IgG1	FITC / PE	50 tests	873.006.050	FCM
CD3 / anti-HLA-DR	B-B11 / B-F1	IgG1 / IgG1	FITC / PE	50 tests	873.007.050	FCM
CD3 / CD4	B-B11 / B-F5	IgG1 / IgG1	FITC / PE	50 tests	873.008.050	FCM
CD3 / CD8	B-B11 / B-H7	IgG1 / IgG1	FITC / PE	50 tests	873.009.050	FCM
CD3 / CD16	B-B11 / B-E16	IgG1 / IgG2a	FITC / PE	50 tests	873.010.050	FCM
CD3 / CD16+CD56	B-B11 / B-E16+ B-A19	IgG1 / IgG2a,IgG1	FITC / PE	50 tests	873.011.050	FCM
CD3 / CD19	B-B11 / B-D3	IgG1 / IgG1	FITC / PE	50 tests	873.037.050	FCM
CD3 / CD25	B-B11 / B-B10	IgG1 / IgG1	FITC / PE	50 tests	873.013.050	FCM
CD3 / CD56	B-B11 / B-A19	IgG1 / IgG1	FITC / PE	50 tests	873.014.050	FCM
CD4 / anti-HLA-DR	B-F5 / B-F1	IgG1 / IgG1	FITC / PE	50 tests	873.015.050	FCM
CD4 / CD8	B-F5 / B-H7	IgG1 / IgG1	FITC / PE	50 tests	873.016.050	FCM
CD4 / CD25	B-F5 / B-B10	IgG1 / IgG1	FITC / PE	50 tests	873.017.050	FCM
CD4 / CD45RA	B-F5 / B-C15	IgG1 / IgG2a	FITC / PE	50 tests	873.018.050	FCM
CD4 / CD45RO	B-F5 / UCHL1	IgG1 / IgG2a	FITC / PE	50 tests	873.019.050	FCM
CD4 / CD62L	B-F5 / B-S13	IgG1 / IgG1	FITC / PE	50 tests	873.020.050	FCM
CD5 / CD19	B-B8 / B-D3	IgG1 / IgG1	FITC / PE	50 tests	873.038.050	FCM
CD5 / CD20	B-B8 / B-H20	IgG1 / IgG2a	FITC / PE	50 tests	873.022.050	FCM
CD8 / CD25	B-H7 / B-B10	IgG1 / IgG1	FITC / PE	50 tests	873.023.050	FCM
CD8 / CD28	B-H7 / B-T3	IgG1 / IgG2a	FITC / PE	50 tests	873.024.050	FCM
CD8 / anti-HLA-DR	B-H7 / B-F1	IgG1 / IgG1	FITC / PE	50 tests	873.026.050	FCM
CD13 / anti-HLA-DR	B-F10 / B-F1	IgG1 / IgG1	FITC / PE	50 tests	873.027.050	FCM
CD14 / CD45	8G3 / B-A11	IgG2a / IgG1	FITC / PE	50 tests	873.033.050	FCM
CD14 / CD86	8G3 / B-T7	IgG2a / IgG1	FITC / PE	50 tests	873.034.050	FCM
CD19 / CD10	B-C3 / B-E3	IgG1 / IgG2a	FITC / PE	50 tests	873.030.050	FCM
CD45 / CD14	B-A11 / 8G3	IgG1 / IgG2a	FITC / PE	50 tests	873.032.050	FCM
CD86 / CD19	B-T7 / B-D3	IgG1 / IgG1	FITC / PE	50 tests	873.039.050	FCM

FCM: Flow Cytometry; IHC: Immunohistochemistry; WB: Western Blot; BA: Biological Assay; IP: Immunoprecipitation

Direct Flow Cytometry (FACS) protocol

Whole blood method

- 1/ Add 50 μ l of EDTA treated blood to a reagent tube.
- 2/ Add 10 μ L of conjugated mAb to be tested or the isotype-matched control mAb.
- 3/ Vortex the tube and incubate for 15 min at room temperature in the dark.
- 4/ Add 2 ml of lysing solution, mix immediately.
- 5/ Incubate 10 min at room temperature in the dark.
- 6/ Centrifuge for 5 min at 828g.
- 7/ After centrifugation, remove the supernatant and resuspend the cells in 200 μ l of PBS.
- 8/ Analyse by flow cytometry.

Isolated leukocytes

- 1/ Isolation of peripheral blood mononuclear cells (PBMC) by density gradient centrifugation.
- 2/ Add 50 μ L of the cell suspension ($1 \cdot 10^6$ cells) to each microtiter plate well.
- 3/ Add 10 μ L of primary conjugated mAb or the isotype-matched control mAb.
- 4/ Incubate for 30 min at 4°C in the dark.
- 5/ Wash twice with PBS containing 1% BSA and 0.1% NaN₃.
- 6/ Resuspend cells in 50 μ l PBS.
- 7/ Add 250 μ l of 1% paraformaldehyde.
- 8/ Analyse by flow cytometry or store the cells at 4°C.

Indirect Flow Cytometry (FACS) protocol

- 1/ Add 50 μ l of EDTA treated blood or cell suspension ($1 \cdot 10^6$ cells) to a reagent tube.
- 2/ Add 10 μ L of primary purified mAb tested or the isotype-matched control mAb.
- 3/ Vortex the tube and incubate for 15 min at room temperature in the dark.
- 4/ For whole blood, add 2 ml of lysing solution, incubate 10 min at room temperature in the dark.
- 5/ Wash twice with PBS containing 1% BSA and 0.1% NaN₃. Remove supernatant and gently vortex the cell pellet.
- 6/ Dilute the fluorochrome conjugated secondary antibody at the optimal dilution (see manufacturer's instructions) and add to the cells.
- 7/ Vortex the tube and incubate for 15 min at room temperature in the dark.
- 8/ Wash twice with PBS containing 1% BSA and 0.1% NaN₃. Remove supernatant.
- 9/ Resuspend cells in 200 μ l of PBS or 250 μ l of 1% paraformaldehyde if required.
- 10/ Analyse by flow cytometry.

Intracellular Cytokine staining protocol

Stimulation of cells

- 1/ Stimulate cells following the appropriate protocols depending on the cytokine to be measured in presence of Brefeldin A (1 μ g/ml).
Collect the cells and transfer the cell suspension to a centrifuge tube.
- 2/ Centrifuge cell preparation at 828 g for 5 min.

Fixation of cells

- 3/ Incubate $20 \cdot 10^6$ cells/ml in 4% paraformaldehyde, 1X PBS for 20 min at 4°C.
- 4/ Centrifuge 5 min at 828g and remove the supernatant.

Permeabilization and intracellular staining

- 5/ Adjust the cell concentration to $4 \cdot 10^6$ cells/ml in 5% FCS, 0.3% Saponin, 1X PBS.
- 6/ Dilute the antibody in 5% FCS, 0.3% Saponin, 1X PBS. Titration of the mAb is recommended to obtain optimal staining on activated cells and no staining on resting cells.
- 7/ Incubate $2 \cdot 10^5$ cells with R-PE or FITC conjugated monoclonal antibody for 30 min at 4°C.
- 8/ Wash cells in 5% FCS, 0.1% Saponin, 1X PBS (100 μ l/well).
- 9/ Wash cells in 1X PBS (100 μ l/well).
- 10/ Resuspend the cells in 250 μ l of 1X PBS.

Analysis by flow cytometry

Recommendations: Any fluorochrome conjugated mAb is suitable to detect an antigen expressed at high level. PE conjugated mAbs are recommended to detect an antigen expressed at lower density. Positive cells will be better separated from negative cells using a PE conjugated mAb. Non-specific binding can be determined with an isotype-matched irrelevant mAb. To avoid artifactual staining of Fc binding sites, a serum incubation of the cells may be performed before staining.

Immunohistochemistry: Immunoperoxidase staining for frozen tissue sections

- 1/ Leave frozen tissue sections warm at room temperature for 1 to 2 hours.
- 2/ Fix the sections in cold acetone for 10 min.
- 3/ Wash twice in PBS.
- 4/ If necessary, block endogenous peroxidase by incubating in 0.1% H₂O₂ in 70% methanol for 10-30 minutes.
- 5/ Wash once in PBS.
- 6/ Incubate sections for 1 hour in 1.5% normal blocking serum in PBS, derived from the same species in which secondary has been raised. Remove blocking serum from slides.
- 7/ Incubate with appropriately diluted primary antibody for at least 1 hour at room temperature or overnight at 4°C. Wash twice in PBS.
- 8/ Incubate the sections with the peroxidase conjugated secondary antibody at recommended dilution. Incubate for 30-60 minutes at room temperature. Wash twice in PBS.
- 9/ Stain with the appropriate substrate DAB solution or AEC solution for 10 minutes.
- 10/ Wash with demineralised water.
- 11/ Briefly counterstain with heamatoxin for 1-10 minutes.
- 12/ Wash gently in running water until blue colour is clearly visible.
- 13/ Dehydrate by increasing solution of ethanol and xylene solvent, mount with medium and examine by light microscopy.

Western-blotting protocol

Electrophoresis and transfer

Separate proteins by gel electrophoresis according to manufacturer's specifications. Run standard SDS-Polyacrylamide gel and electrophoreses in a 0.5-1.5 mm thick gel. Transfer proteins from the gel to a nitrocellulose or other membrane such as PVDF by electro-blotting according to the manufacturer's protocol.

Blocking

Block remaining hydrophobic binding sites on the membrane by incubating in a blocking solution (5% non-fat dried milk, 0.05% Tween 20 in phosphate buffer solution for 30-60 minutes at room temperature or overnight at 4°C.

Primary Antibody Incubation

Dilute the primary antibody in the blocking buffer. Optimal antibody concentration should be determined by titration (a concentration of 1-2.0 µg/ml is generally acceptable). Incubate for 1 hour at room temperature or overnight at 4°C with gentle agitation. Wash membrane three times for 5 minutes each in wash buffer (phosphate buffer saline plus 0.05% Tween 20).

Secondary Antibody Incubation

Incubate the membrane with appropriate conjugated secondary antibody: alkaline phosphatase or horseradish peroxidase conjugated antibody diluted in blocking buffer for 30-60 minutes at room temperature with gentle agitation. Wash membrane three times for 5 minutes each in wash buffer (phosphate buffered saline plus 0.05% Tween 20).

Visualisation

Incubate the membrane with appropriate substrate solution for time recommended by manufacturer to visualise protein bands.

Solutions

Blocking solution : 5% (w/v) non-fat dried milk, 0.05% (v/v) Tween 20 in phosphate buffer solution.

Washing buffer : phosphate buffered saline plus 0.05% (v/v) Tween 20.

Please note that these general assay procedures are given as guidelines which can be adjusted for your applications.

Products	Pages	Products	Pages	Products	Pages	Products	Pages	Products	Pages
ADAM-10	19, 21	CD42b	15	CD154	11, 19	IL-8	5, 23	VCAM-1	9, 18
APO2L	7, 11, 20, 23	CD43	15	CD178	6, 11, 19, 23	IL-10	5, 23	VLA-2	8
B7	17	CD44	9, 15, 23	CD184	6, 19, 23	IL-12 p35+p70	5, 23	VLA-3	8
BB1	17	CD45	15, 24	CD195	6, 19	IL-12 p40+p70	5, 23	VLA-4	8
BIOTIN	21	CD45RA	16, 24	CD202b	20	IL-13	5, 23	VLA-5	8
BLAST-1	16	CD45RO	16, 24	CD213a1	6, 20	IL-13R α 1	6, 20	VLA-6	8
BL-CAM	9	CD48	16	CD213a2	6, 20	IL-13R α 2	6, 20		
CCR5	6, 19	CD49b	8, 16	CD253	7, 11, 20, 23	IL-15	5, 23		
CD1a	12	CD49c	8, 16	CD261	7, 11, 20, 23	IL-18R α	6, 20, 23		
CD1b	12	CD49d	8, 16	CD262	7, 11, 20, 23	IL-18R β	7, 20, 23		
CD1b/c	12	CD49e	8, 16	CD263	7, 11, 20, 23	Integrin α 2	8, 16		
CD1d	12	CD49f	8, 16	CD264	7, 11, 20	Integrin α 3	8, 16		
CD2	12, 23, 24	CD50	9, 16	CDw156c	19, 21	Integrin α 4	8, 16		
CD3	12, 23, 24	CD51	8, 16	CDw218a	6, 20, 23	Integrin α 5	8, 16		
CD4	12, 23, 24	CD53	16	CDw218b	7, 20, 23	Integrin α 6	8, 16		
CD5	12, 24	CD54	9, 16, 23	c-Kit	6, 18	Integrin α E	8, 18		
CD6	12	CD55	16	Control IgG1	22, 24	Integrin α L	8		
CD7	12	CD56	9, 17, 24	Control IgG2a	22, 24	Integrin α M	8		
CD8	12, 24	CD57	17	Control IgG2b	22, 24	Integrin α V	8, 16		
CD9	13	CD58	17	Control IgM	22	Integrin α X	8		
CD10	13, 23, 24	CD59	17	CXCR4	6, 19	Integrin β 1	8, 14		
CD11a	8, 13	CD61	8, 17	DcR1	7, 11, 20, 23	Integrin β 2	8, 13		
CD11b	8, 13	CD62E	9, 17	DcR2	7, 11, 20, 23	Integrin β 3	8, 17		
CD11c	8, 13	CD62L	9, 17, 24	DR4	7, 11, 20, 23	LFA-1	8, 13		
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