



Antibody to **CD138** conjugated with **Pacific Orange™** is being used in standardized flow cytometry panels (clone B-A38). Here we show that the clone MI15 in Pacific Orange™ provides fully comparable results to those obtained using B-A38.

Antibody to **CD138** for flow cytometry • **clone MI15**

CD138 (syndecan 1) is a transmembrane proteoglycan that can bind a variety of cytokines and modulate their activity, as well as the activity of extracellular matrix components and influence many developmental processes. It participates in cell proliferation, migration and attachment to the extracellular matrix. CD138 is expressed mainly in **differentiating keratinocytes** and is transiently upregulated in all layers of the epidermis upon **tissue injury**. It is also highly expressed on **plasma cells** and can be detected even on fibroblasts, vascular smooth muscle cells and endothelial cells. Up-regulation and down-regulation of CD138 on the cell surface often correlates with the **gain of cancerous characteristics**. It is a selective marker of e.g. B cell lymphoblastic leukemias, lymphoplasmacytoid leukemia, or viable myeloma cells. Serum levels of the sheddable soluble **sCD138** are used as a **prognostic factor** of cancerogenesis.

The mouse monoclonal antibody **MI15** serves to detect extracellular part of human CD138 using flow cytometry (QC tested for each format). Crossreactivity: Non-human primates, rat. Other described applications: immunoprecipitation, Western blotting, immunohistochemistry (paraffin sections).

Standardized flow cytometry panels

Antibody to **CD138** conjugated with **Pacific Orange™** is being used in standardized flow cytometry panels (clone B-A38). As demonstrated above, the clone MI15 in Pacific Orange™ provides fully comparable results to those obtained using B-A38.

Where you can meet us:

- **WIRM XII – 12th World Immune Regulation Meeting**
March 14–17 2018 | Davos, Switzerland
- **CYTO 2018**
April 28 – May 2 2018 | Praha, Czech Republic
- **EAACI 2018**
May 26–30 2018 | München, Germany
- **ESCCA 2018**
September 13–15 2018 | Valencia, Spain

Abbreviations

APC	allophycocyanin
FITC	fluorescein isothiocyanate
PE	R-phycoerythrin
PerCP	peridinin chlorophyll a protein
RUO	research use only
CE-IVD	in conformity with the European In Vitro Diagnostic Medical Device Directive 98/79/EC.

Quality statement

Our company has been assessed and certified as meeting the requirements of ISO 9001:2008, ISO 14001:2004, and ISO 13485: 2003 for the following activities: Design, development and production of biotechnological products for research use. Design, development and production of *in vitro* diagnostics for cell and protein analysis.

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Antibodies

EXBIO Praha, a.s.
Nad Safinou II 341
252 50 Vestec u Prahy
fax +420 261 090 660
orders@exbio.cz
technical@exbio.cz

www.exbio.cz

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Our Mission

EXBIO Praha strives to exceed the most demanding customer expectations in the field of analytical cytometry by providing a comprehensive portfolio of high quality products and services at affordable prices.



Newly added **Clones** in EXBIO offer

With respect to our customers' needs we are continuously searching for valuable hybridomas to supplement our portfolio with high quality antibody

clones, and we are also developing our own ones. Here we bring a table of clones that have been added to our portfolio since last issue. As your needs

and requirements are of high importance for us, we are grateful for your feedback what other important clones you would like to see in our portfolio.

Catalog No.	Antigen	Clone	Host	Isotype	Reactivity	Application	Format	Quantity
11-815-C100	CD3	TB3	Ms	IgG2b	Hu	FC	purified	0.1 mg
11-816-C100	CD4	EM4	Ms	IgG2a	Hu	FC, IP, WB	purified	0.1 mg
11-817-C100	CD8	LT8	Ms	IgG1	Hu, Pri	FC, IP	purified	0.1 mg
11-748-C025	CD5	53-7.3	Rt	IgG2a	Ms	FC, IP, IHC(P), IHC(F)	purified	0.025 mg
11-748-C100							purified	0.1 mg
1P-748-C025							PE	0.025 mg
1P-748-C100							PE	0.1 mg
11-814-C100	CD138	MI15	Ms	IgG1	Hu, Pri, Rt	FC, IP, WB, IHC(P)	purified	0.1 mg
1F-814-T100							FITC	100 tests
PO-814-T100							Pacific Orange™	100 tests
1P-814-T025							PE	25 tests
1P-814-T100							PE	100 tests
1A-814-T100							APC	100 tests
PC-814-T100							PerCP	100 tests
11-165-C100	CD165	SN2	Ms	IgG1	Hu	FC, IP, WB, IHC(F), ICC	purified	0.1 mg
1P-165-T025							PE	25 tests
1P-165-T100							PE	100 tests
11-790-C100	CD222	MEM-240	Ms	IgG1	Hu	FC, IP, WB	purified	0.1 mg
1P-790-T100							PE	100 tests
11-128-C100	Lactoferrin	LF5-1D2	Ms	IgG1	Hu	FC, ELISA	purified	0.1 mg
1P-128-T100							PE	100 tests
11-818-C100	TPX2	TPX2-01	Ms	IgG1	Hu, Ms, Rt	IP, WB, IHC(P), ICC, ELISA	purified	0.1 mg
11-145-C100	PAC-1	PAC-1	Ms	IgM	Hu	FC, IP, ICC	purified	0.1 mg
1F-145-T100							FITC	100 tests
11-182-C100	PCNA	PC10	Ms	IgG2a	Hu, Pri, Ms, Rt, Chc, Dro	FC, IP, WB, IHC(P), IHC(F), ICC	purified	0.1 mg
1P-182-T025							PE	25 tests
1P-182-T100							PE	100 tests

More formats of these antibodies will come soon.

Antigen	Clone		purified	biotin	Pacific Blue™	FITC	Alexa Fluor® 488	Pacific Orange™	PE	PE-DyLight™ 594	APC	PE-Cy™ 5	Alexa Fluor® 647	PerCP	PerCP-Cy™ 5.5	Alexa Fluor® 700	PE-Cy™ 7	APC-Cy™ 7
CD1a	HI149																	
	SK9																	
CD1b	SN13																	
CD1c	L161																	
CD2	LT2																	
	MEM-65																	
	TS1/8																	
CD3	MEM-57																	
	MEM-92																	
	OKT3																	
	UCHT1																	
	SK7																	
	TB3																	
CD3 (activation epitope)	APA1/1																	
CD3 zeta (CD247)	H146-968																	
CD3 zeta (Phospho Tyr111)	EM-55																	
CD3 zeta (Phospho Tyr142)	EM-54																	
CD3 zeta (Phospho Tyr153)	EM-17																	
CD3 zeta (Phospho Tyr72)	EM-26																	
CD4	EM-4																	
	MEM-115																	
	MEM-16																	
	MEM-241																	
CD5	CRIS1																	
	L17F12																	
	MEM-32																	
CD6	MEM-98																	
CD7	MEM-186																	
	124-1D1																	
CD8	MEM-31																	
	MEM-87																	
	LT8																	
CD9	MEM-61																	
CD10	LT10																	
	MEM-78																	
CD11a	MEM-25																	
	MEM-83																	
CD11b	ICRF44																	
	MEM-170																	
	MEM-174																	
CD11b (activation epitope)	CBRM1/5																	
CD11c	BU15																	
CD13	WM15																	
CD14	B-A8																	
	MEM-15																	
	MEM-18																	
CD15	MEM-158																	
	MMA																	
CD16	3G8																	
	LNK16																	
	MEM-154																	
	MEM-168																	
CD17	MEM-68																	
CD18	MEM-148																	
	MEM-48																	
CD19	4G7																	
	LT19																	
CD20	2H7																	
	LT20																	
	MEM-269																	
	MEM-97																	
CD21	LT21																	
CD22	IS7																	
	MEM-01																	
	S-HCL-1																	
CD23	EBVCS-5																	
CD24	SN3																	
CD25	MEM-140																	
	MEM-181																	
CD26	BA5b																	
CD27	LT27																	
CD28	CD28.2																	
CD29	MEM-101A																	
CD30	Ber-H8																	
	MEM-268																	
CD31	MEM-05																	
CD32	3D3																	
CD33	HIM3-4																	
	WM53																	
CD34	4H11[APG]																	
	581																	
	QBEnd-10																	
CD35	E11																	
CD36	CB38 (NL07)																	
	TR9																	

[illegible]

Antigen	Clone	purified	biotin	Pacific Blue™	FITC	Alexa Fluor® 488	Pacific Orange™	PE	PE-DyLight™ 594	APC	PE-Cy™ 5	Alexa Fluor® 647	PerCP	PerCP-Cy™ 5.5	Alexa Fluor® 700	PE-Cy™ 7	APC-Cy™ 7
CD105	MEM-226																
	MEM-229																
CD106	STA																
CD107a	B-T47																
	H4A3																
CD107b	H4B4																
CD108	MEM-150																
CD111	R1.302																
CD112	R2.525																
CD114	LMM741																
CD116	4H1																
CD117	104D2																
CD120a	H398																
CD122	TU27																
CD123	6H6																
CD129	AH9R7																
CD134	Ber-ACT35																
CD135	BV10A4																
CD137	4B4-1																
CD138	B-A38																
	MI15																
CD140a / PDGF-RA	16A1																
CD140b / PDGF-RB	18A2																
CD142	HTF-1																
CD144	55-7H1																
CD146	P1H12																
CD147	MEM-M6/1																
	MEM-M6/2																
	MEM-M6/6																
CD148	MEM-CD148/05																
CD150	SLAM.4																
CD152	BNI3																
CD154	24-31																
CD157	SY11B5																
CD158a/g/h	HP-MA4																
CD158d / KIR2DL4	mAb#33																
CD158f	UP-R1																
CD160	BY55																
CD161	HP-3G10																
CD162	TC2																
	TB5																
CD163	GHI/61																
CD165	SN2																
CD169	7-239																
CD177	MEM-166																
CD178	NOK-1																
CD180	G28-8																
CD184	12G5																
CD193	5E8																
CD195	T21/8																
CD200	OX-104																
CD203c	NP4D6																
CD205	HD30																
CD206	15-2																
CD209	UW60.1																
CD222	MEM-238																
	MEM-240																
CD229	HLy9.25																
CD230	EM-20																
CD235a	HIR2																
	JC159																
CD243	UIC2																
CD253 / TRAIL	2E5																
CD255 / TWEAK	CARL-1																
CD261 / TRAIL-R1	DR-4-02																
CD262 / TRAIL-R2	DR5-01-1																
CD263 / TRAIL-R3	TRAIL-R3-02																
CD264 / TRAIL-R4	TRAIL-R4-01																
CD266 / TWEAK R	ITEM-4																
CD267	1A1																
CD271	NGFR5																
CD273	24F.10C12																
CD274	29E.2A3																
CD279	EH12.2H7																
CD300a	MEM-260																
CD300e	UP-H2																
CD305	NKTA255																
CD314	1D11																
CD324 / E-Cadherin	67A4																
CD326 / EpCAM	VU-1D9																
CD328 Siglec-7	6-434																
CD334	4FR6D3																
CD358 / DR6	DR-6-04-EC																
CD361	MEM-216																