

# bulletin



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information magazine  
for partners  
EXBIO Praha, a.s. | [www.exbio.cz](http://www.exbio.cz)

## Brighter Future in Flow

### 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
1P-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
<b>PO-814-T100</b>							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.

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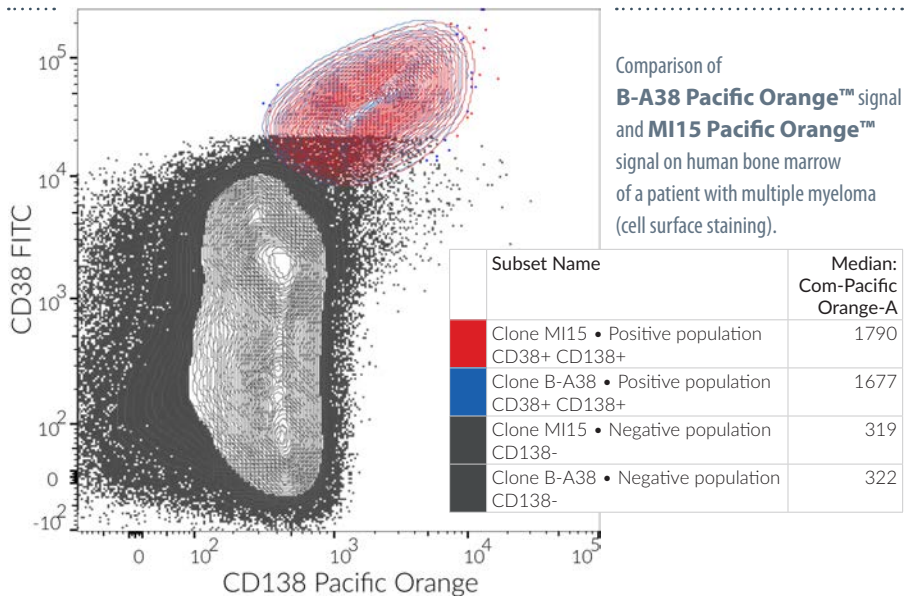
# Human Immunology Products: CD Antigens

Here you can find a table of our human immunology antibody conjugates. For rodent immunology and other related topics, as well as for the most up to date information, please visit our web [www.exbio.cz](http://www.exbio.cz).

Antigen	Clone	purified	biotin	Pacific Blue™	FITC	Alexa Fluor® 488	Pacific Orange™	PE	PE-DyLight™ 594	APC	PE-Cy™ 5	Alexa Fluor® 647	PerCP™ 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															
	APA1/1															
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															
	4H11[APG]															
CD34	581															
	QBEnd-10															
	E11															
CD35	E11															
	CB38 (NL07)															
CD36	TR9															

Antigen	Clone
CD38	HIT2
CD39	TU66
CD40	HI40a
CD41	MEM-06
CD41a	HIP8
CD41b	HIP2
CD42a	GR-P
CD42b	HIP1
	AK2
CD43	MEM-59
CD44	IM7
	MEM-263
	MEM-85
CD45	HI30
	MEM-28
CD45R0	UCHL1
CD45RA	MEM-56
CD45RB	MEM-143
	MEM-55
CD46	MEM-258
CD47	MEM-122
CD48	MEM-102
CD49b	AK7
CD49c	ASC-1
CD49d	9F10
CD50	MEM-04
CD52	MEM-171
CD53	HI186
	MEM-53
CD54	1H4
	MEM-111
	MEM-112
CD55	MEM-118
CD56	MEM-188
	LT56
CD57	TB01
CD58	MEM-63
CD59	MEM-129
	MEM-43
CD61	MEM-43/5
CD62L	VIPL2
	DREG56
CD62P	LT-TD180
CD62P	AK4
	HI62P
CD63	MEM-259
CD64	10.1
CD65	VIM8
CD66acde	CLB-gran/10
CD66e	CB30
CD68	Y1/82A
CD69	FN50
CD70	Ki-24
CD71	MEM-189
	MEM-75
CD72	3F3
CD73	AD2
CD79a	HM47
	HM57
	CB3-1
CD79b	MEM-233
CD80	MEM-233
CD81	M38
CD82	C33
CD83	HB15e
CD84	CD84.1.21
CD85g	17G10.2
CD85j	GHI/75
CD86	BU63
CD87	VIM5
CD88	S5/1
CD89	A59
CD90	5E10
CD94	HP-3D9
CD95 / Fas	LT95
	UT-1
CD97	EOS9.1
CD98	MEM-180
CD99	MEM-108
CD99R	3B2/TA8
CD101	MEM-131
CD102	BB27
CD103	CBR-IC2/2
	Ber-ACT8





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, lymphoplasmocytoid leukemia, or viable myeloma cells. Serum levels of the shedded 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 – 12<sup>th</sup> 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 <i>In Vitro</i> 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.

Alexa Fluor®, Pacific Blue™ and Pacific Orange™ are trademarks of Molecular Probes, Inc. (a wholly owned subsidiary of Invitrogen Corporation); Dylight™ is a trademark of Thermo Fisher Scientific; Cy™ is a trademark of GE Healthcare Limited.



**Antibodies**

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