



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 chlorophyl 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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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.

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