



10-520-C025

## Monoclonal Antibody to CD138 Azide Free (0.025 mg)

<b>Clone:</b>	B-A38
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody B-A38 recognizes CD138 (syndecan 1), a 65-70 kDa heparan sulfate proteoglycan expressed mainly in the epidermis and plasma cells, but also in growth factor-stimulated lymphocytes.
<b>Immunogen:</b>	U266 human peripheral blood myeloma cell line
<b>Species Reactivity:</b>	Human
<b>Application:</b>	<b>Flow Cytometry</b> <b>Immunohistochemistry</b>
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by ion exchange chromatography.
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized.
<b>Storage / Stability:</b>	Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	<b>CD138</b> (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. 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. Serum levels of the shedded soluble sCD138 are used as a prognostic factor of cancerogenesis.

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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