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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

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Mouse anti-Human CD138, Azide Free Monoclonal Antibody

CLX343NA

Lot:

Size: 0.1 mg

Clone: B-A38

Isotype: Mouse IgG1

Specificity: 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.

Immunogen: U266 human peripheral blood myeloma cell line

Species Reactivity: Human

Application: Flow Cytometry
Recommended dilution: 3-5 µg/ml

Immunohistochemistry

Purity: > 95% (by SDS-PAGE)

Purification: Purified by protein A

Concentration: 1 mg/ml

Storage Buffer: Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized.

Storage / Stability: 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.

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Background:

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. 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.

References:

- *Hayashida K, Johnston DR, Goldberger O, Park P.W.: Syndecan-1 expression in epithelial cells is induced by transforming growth factor beta through a PKA-dependent pathway. *J Biol Chem.* 2006 Aug 25;281(34):24365-74.
- *Choi DS, Kim JH, Ryu HS, Kim HC, Han JH, Lee JS, Min C.K.: Syndecan-1, a key regulator of cell viability in endometrial cancer. *Int J Cancer.* 2007 Aug 15;121(4):741-50.
- *Manakil JF, Seymour GJ, Bartold P.M.: Effect of cytokine and antigen stimulation on peripheral blood lymphocyte syndecan-1 expression. *Oral Microbiol Immunol.* 2007 Aug;22(4):272-6.
- *Muto T, Miyoshi K, Munesue S, Nakada H, Okayama M, Matsuo T, Noma T.: Differential expression of syndecan isoforms during mouse incisor amelogenesis. *J Med Invest.* 2007 Aug;54(3-4):331-9.
- *Ojeh N, Hiilesvuo K, Wärrri A, Salmivirta M, Henttinen T, Määttä A.: Ectopic expression of syndecan-1 in basal epidermis affects keratinocyte proliferation and wound re-epithelialization. *J Invest Dermatol.* 2008 Jan;128(1):26-34.
- *Jilani I, Wei C, Bekele BN, Zhang ZJ, Keating M, Wierda W, Ferrajoli A, Estrov Z, Kantarjian H, O'Brien SM, Giles FJ, Albitar M.: Soluble syndecan-1 (sCD138) as a prognostic factor independent of mutation status in patients with chronic lymphocytic leukemia. *Int J Lab Hematol.* 2008 Jan 7.
- *Yang Y, MacLeod V, Dai Y, Khotskaya-Sample Y, Shriver Z, Venkataraman G, Sasisekharan R, Naggi A, Torri G, Casu B, Vlodaysky I, Suva LJ, Epstein J, Yaccoby S, Shaughnessy JD Jr, Barlogie B, Sanderson RD: The syndecan-1 heparan sulfate proteoglycan is a viable target for myeloma therapy. *Blood.* 2007 Sep 15;110(6):2041-8.
- *Cheriyath V, Glaser KB, Waring JF, Baz R, Hussein MA, Borden EC: G1P3, an IFN-induced survival factor, antagonizes TRAIL-induced apoptosis in human myeloma cells. *J Clin Invest.* 2007 Oct;117(10):3107-17.
- *Kuchen S, Robbins R, Sims GP, Sheng C, Phillips TM, Lipsky PE, Ettinger R: Essential role of IL-21 in B cell activation, expansion, and plasma cell generation during CD4+ T cell-B cell collaboration. *J Immunol.* 2007 Nov 1;179(9):5886-96.

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