MONOSAN

Mouse anti-Human CD138, clone MI15 (Monoclonal)

Clone no. MI15

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Product name	Mouse anti-Human CD138, clone MI15 (Monoclonal)
Host	Mouse
Applications	IP, WB, FC, IHC-P
Species reactivity	rat, human, non human primates
Conjugate	-
Immunogen	A mixture of U266 and XG-1 human myeloma cell lines
Isotype	IgG1 kappa
Clonality	Monoclonal
Clone number	MI15
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	PBS pH 7.4, 15 mM sodium azide
Storage until expiry date	2-8°C

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Additional info

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.Purified by protein-A affinity chromatography. The mouse monoclonal antibody MI15 recognizes an extracellular epitope of 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.

References

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4. Jourdan M et al. J Immunol. 2011 Oct 15;187(8):3931-41
5. Atanackovic D et al. J Natl Cancer Inst. 2012 Jul 3;104(13):1005-20