Recombinant CD138 / Syndecan-1 (SDC1) (Plasma Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone rSDC1/6866]

Catalog No	Format	Size
6382-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6382-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6382-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

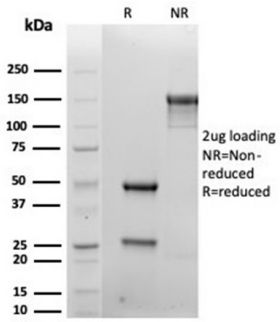
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	rSDC1/6866
Gene Name	SDC1
Immunogen	Recombinant fragment (around aa200-300) of human CD138 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	85kDa
Cellular Localization	Extracellular exosome, Membrane, Secreted
Species Reactivity	Human
Positive Control	Human tonsil or lymph node.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant CD138 / Syndecan-1 (SDC1) (Plasma Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD138 Recombinant Mouse Monoclonal Antibody (rSDC1/6866). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

CD138, also designated syndecan-1, is a member of the syndecan family of four transmembrane spanning proteins capable of binding to heparan sulfate and chondroitin sulfate molecules. The syndecans main functions are to control cell growth and differentiation as well as to maintain cell adhesion and cell migration. Under normal conditions CD138 is predominantly expressed on mature plasma cells and early preB-cells, while other haematolymphoid cells are negative. Various types of epithelial cells are also CD138 positive. Squamous epithelial cells show strong membranous and some cytoplasmic staining, except for the mature superficial squamous epithelial cells which are unstained. Mature mesenchymal and neural tissues are not stained. Among haematolymphoid neoplasms, CD138 is expressed in practically all cases of plasma cell malignancies. Among non-haematolymphoid neoplasms the expression of CD138 is found in various types of carcinoma.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Articular Cartilage Extracellular Matrix, B Cell Markers, Cytokine Signaling, Hematopoietic Stem Cells, Immunology, Infectious Disease, Mesenchymal Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.