

For Research Use Only

Mouse CD138/Syndecan-1 Recombinant antibody, PBS Only

Catalog Number: 84069-8-PBS



Basic Information

Catalog Number: 84069-8-PBS	GenBank Accession Number: NM_011519.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 20969	CloneNo.: 241278E8
Source: Rabbit	UNIPROT ID: P18828-1	
Isotype: IgG	Full Name: syndecan 1	
Immunogen Catalog Number: EG1221	Calculated MW: 33 kDa	

Applications

Tested Applications:
IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

CD138, also named as Syndecan-1 (SDC1), is an integral membrane protein. It participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. It is a heparan sulfate proteoglycan expressed on the surface of, and actively shed by, myeloma cells. Altered syndecan-1 expression has been detected in several different tumor types. CD138 was regarded as a useful marker for labeling normal and neoplastic plasma cells and plasmacytoid lymphomas.

Storage

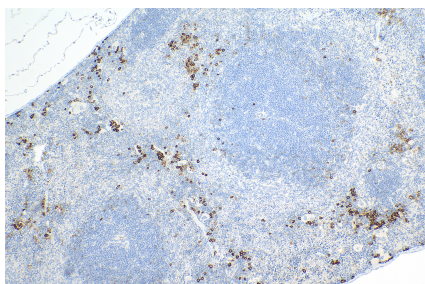
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

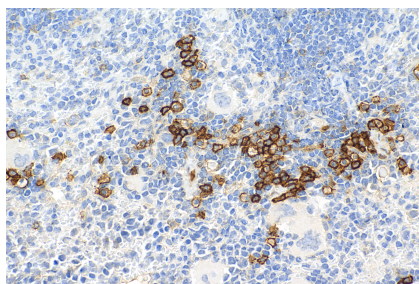
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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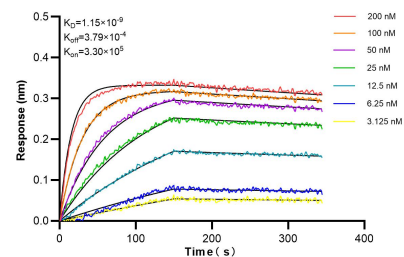
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84069-8-RR (Syndecan-1/CD138 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84069-8-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84069-8-RR (Syndecan-1/CD138 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84069-8-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84069-8-RR against Mouse CD138/Syndecan-1 were performed. The affinity constant is 1.15 nM.