

For Research Use Only

# CD138/Syndecan-1 Recombinant antibody

Catalog Number: 84069-8-RR



## Basic Information

Catalog Number:	84069-8-RR	GenBank Accession Number:	NM_011519.2	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	20969	CloneNo.:	241278E8
Source:	Rabbit	UNIPROT ID:	P18828-1	Recommended Dilutions:	IHC 1:2000-1:8000
Isotype:	IgG	Full Name:	syndecan 1		
Immunogen Catalog Number:	EG1221	Calculated MW:	33 kDa		

## Applications

Tested Applications:  
IHC, ELISA

Species Specificity:  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

IHC : mouse spleen tissue, human tonsillitis tissue, mouse colon tissue, mouse skin tissue, rat spleen tissue

## 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

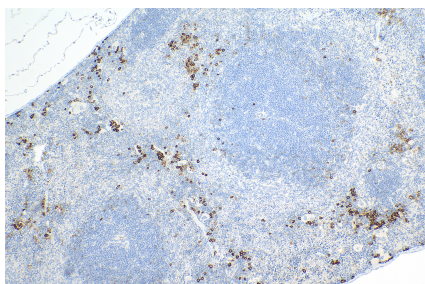
Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

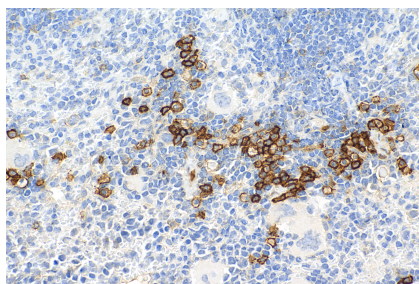
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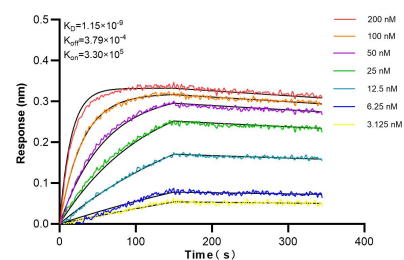
## Selected Validation Data



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).



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).



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