

CD138/Syndecan-1 Monoclonal antibody

 Catalog Number: 60185-2-Ig 1 Publications

Basic Information

Catalog Number: 60185-2-Ig	GenBank Accession Number: BC008765	Purification Method: Protein A purification
Size: 600 µg/ml	GeneID (NCBI): 6382	CloneNo.: 4H5H5
Source: Mouse	UNIPROT ID: P18827	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Isotype: IgG2a	Full Name: syndecan 1	
Immunogen Catalog Number: AG0823	Calculated MW: 32.5 kDa Observed MW: 140 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB, ColP	WB : MCF7 cells,
Species Specificity: human	IHC : human tonsil tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Syndecan-1 (SDC1), also named CD138, 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. SDC1 was regarded as a useful marker for labeling normal and neoplastic plasma cells and plasmacytoid lymphomas.

Notable Publications

Author	Pubmed ID	Journal	Application
Charlie Colin-Pierre	34957110	Front Cell Dev Biol	WB, ColP

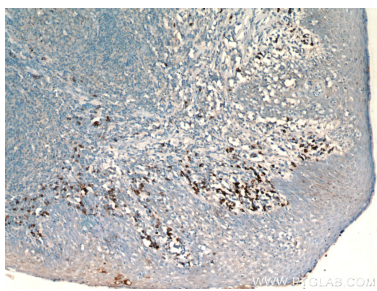
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
 Aliquoting is unnecessary for -20°C storage

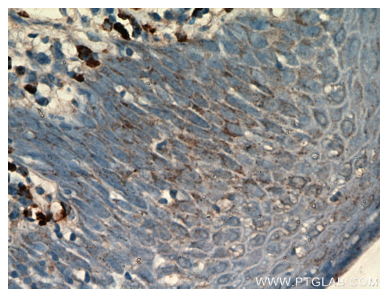
Selected Validation Data



MCF7 cells were subjected to SDS PAGE followed by western blot with 60185-2-Ig (CD138/Syndecan-1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsil using 60185-2-Ig(CD138/Syndecan-1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsil using 60185-2-Ig(CD138/Syndecan-1 antibody) at dilution of 1:50 (under 40x lens).