

# CD138/Syndecan-1 Monoclonal antibody

Catalog Number: 67155-1-Ig **2 Publications**

## Basic Information

Catalog Number:	67155-1-Ig	GenBank Accession Number:	BC008765	Purification Method:	Protein A purification
Size:	2108 $\mu$ g/ml	GeneID (NCBI):	6382	CloneNo.:	4F3A8
Source:	Mouse	UNIPROT ID:	P18827	Recommended Dilutions:	IHC 1:4000-1:16000 IF 1:200-1:800
Isotype:	IgG2a	Full Name:	syndecan 1		
Immunogen Catalog Number:	AG0823	Calculated MW:	32.5 kDa		

## Applications

Tested Applications:	IF-P, IHC, ELISA	Positive Controls:	
Cited Applications:	IF	IHC :	human tonsillitis tissue, human ovary tumor tissue, human appendicitis tissue, human lymphoma tissue
Species Specificity:	Human	IF :	human tonsillitis tissue,
Cited Species:	human		
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>			

## 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.

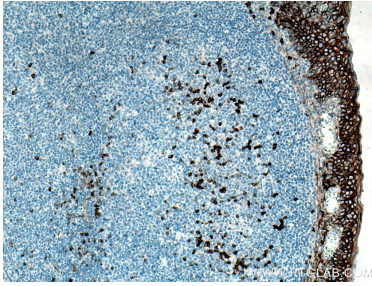
## Notable Publications

Author	Pubmed ID	Journal	Application
Wang Zheng	35913916	Autophagy	IF
Pei-Fen Zhang	36746966	Nat Commun	IF

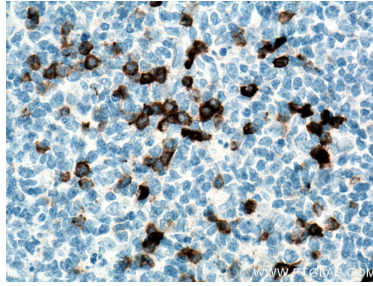
## Storage

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

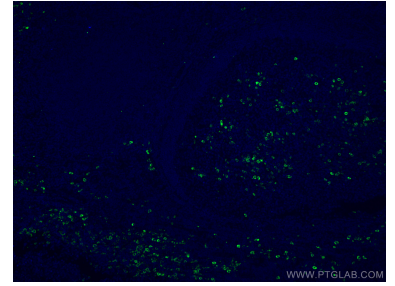
## Selected Validation Data



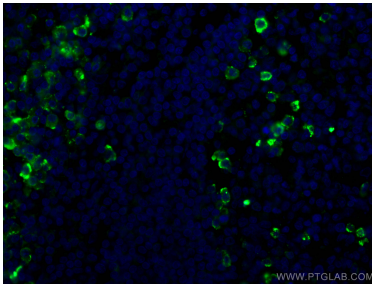
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67155-1-Ig (SDC1, CD138 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67155-1-Ig (SDC1, CD138 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD138/Syndecan-1 antibody (67155-1-Ig, Clone: 4F3A8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD138/Syndecan-1 antibody (67155-1-Ig, Clone: 4F3A8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).