

For Research Use Only

CD138/Syndecan-1 Monoclonal antibody

Catalog Number: 67155-1-Ig **4 Publications**



Basic Information

| | | |
|---|--|---|
| Catalog Number: 67155-1-Ig | GenBank Accession Number: BC008765 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 2108 ug/ml by 6382 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 6382 | CloneNo.: 4F3A8 |
| Source: Mouse | UNIPROT ID: P18827 | Recommended Dilutions: IHC 1:4000-1:16000 IF-P 1:200-1:800 |
| Isotype: IgG2a | Full Name: syndecan 1 | |
| Immunogen Catalog Number: AG0823 | Calculated MW: 32.5 kDa | |

Applications

| | |
|--|--|
| Tested Applications: IHC, IF-P, ELISA | Positive Controls: IHC : human tonsillitis tissue, human lymphoma tissue, human ovary tumor tissue IF-P : human tonsillitis tissue, |
| Cited Applications: IF | |
| Species Specificity: human | |
| 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 |
|---------------|-----------|-------------------|-------------|
| Zetian Gong | 39974398 | Transl Cancer Res | IF |
| Yanglin Chen | 38582082 | Dev Cell | IF |
| Pei-Fen Zhang | 36746966 | Nat Commun | IF |

Storage

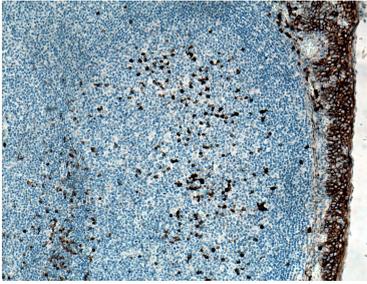
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

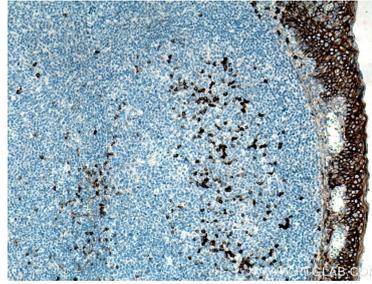
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

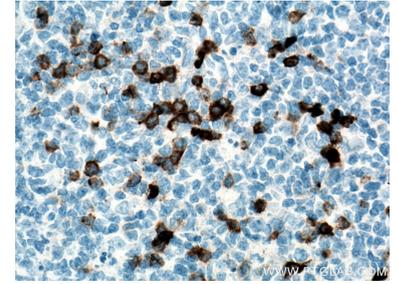
Selected Validation Data



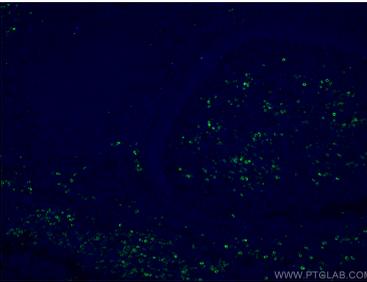
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67155-1-Ig (CD138/Syndecan-1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



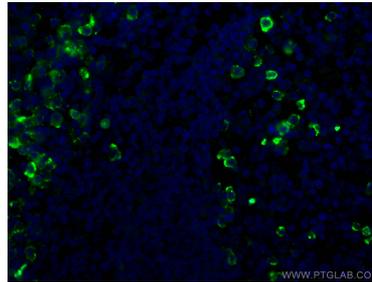
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67155-1-Ig (SDC1,CD138 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).