

For Research Use Only

Anti-Human CD138/Syndecan-1 Rabbit Recombinant Antibody

Catalog Number: 98051-1-RR



Basic Information

Catalog Number:

98051-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC008765

GeneID (NCBI):

6382

UNIPROT ID:

P18827

Full Name:

syndecan 1

Calculated MW:

32.5 kDa

Purification Method:

Protein A purification

CloneNo.:

240422C4

Recommended Dilutions:

IHC 1:500-1:2000

Applications

Tested Applications:

IHC, FC

Species Specificity:

human

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 : human tonsillitis 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 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

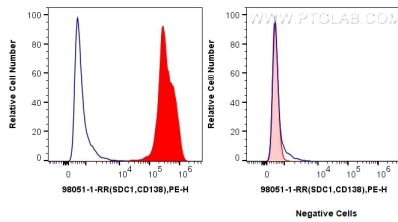
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

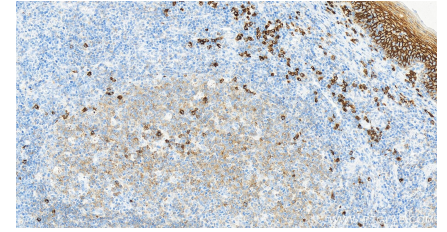
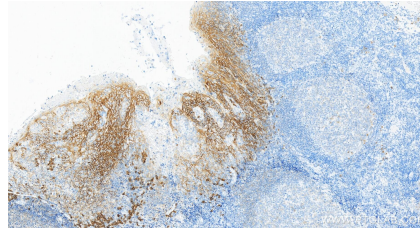
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data

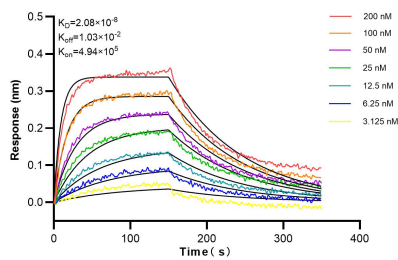


1x10⁶ U266 cells (left) or Jurkat cells (right) were surface stained with 0.25 ug Anti-Human CD138/Syndecan-1 Rabbit Recombinant Antibody (98051-1-RR, Clone: 240422C4) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (blue). Cells were not fixed.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98051-1-RR (CD138/Syndecan-1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98051-1-RR (CD138/Syndecan-1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 98051-1-RR against Human CD138/Syndecan-1 were performed. The affinity constant is 20.8 nM.