

For Research Use Only

# Anti-Mouse CD138/Syndecan-1 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98152-1-PBS



## Basic Information

Catalog Number:

98152-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_011519.2

GeneID (NCBI):

20969

UNIPROT ID:

P18828-1

Full Name:

syndecan 1

Calculated MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

241278C7

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## 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 -80°C.

Storage Buffer:

PBS Only

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

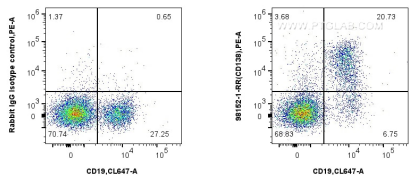
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

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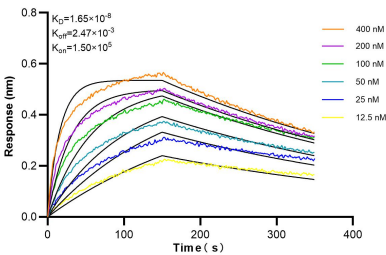
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Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD138/Syndecan-1 Rabbit Recombinant Antibody (98152-1-RR, Clone:241278C7) or Isotype Control, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Mouse CD19 (1D3) (CL647-65290, Clone: 1D3). Cells were not fixed. This data was developed using the same antibody clone with 98152-1-PBS in a different storage buffer formulation.

1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse CD138/Syndecan-1 Rabbit Recombinant Antibody (98152-1-RR, Clone:241278C7) (red) or Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98152-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98152-1-RR against Mouse CD138/Syndecan-1 were performed. The affinity constant is 16.5 nM.