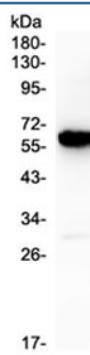


## CD138 Antibody / Syndecan-1 (R32878)

Catalog No.	Formulation	Size
R32878	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P18827
Applications	Western Blot : 0.5-1ug/ml
Limitations	This CD138 antibody is available for research use only.



Western blot testing of human placenta lysate with CD138 antibody at 0.5ug/ml. Predicted molecular weight ~32 kDa but often observed higher due to glycosylation.

## Description

Syndecan 1 / CD138 is a protein which in humans is encoded by the SDC1 gene. The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The SDC1 protein functions as an integral membrane protein and participates in cell proliferation, cell

migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered Syndecan-1 / CD138 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length natures of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

## Application Notes

Optimal dilution of the CD138 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids Q23-G254 was used as the immunogen for the CD138 antibody.

## Storage

After reconstitution, the CD138 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.