

**Anti-SDC1 / Syndecan 1 / CD138 Antibody**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS17823****Specification**

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**Anti-SDC1 / Syndecan 1 / CD138 Antibody - Product Information**

Application	IHC-P, IHC-F, FC
Primary Accession	<a href="#">P18827</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	32462

**Anti-SDC1 / Syndecan 1 / CD138 Antibody - Additional Information****Gene ID** 6382**Alias Symbol** SDC1**Other Names**

SDC1, CD138 antigen, SDC, SYND1, Syndecan, Syndecan 1, Syndecan-1, CD138, Syndecan proteoglycan 1

**Target/Specificity**

Recognizes a heparan sulfate rich membrane glycoprotein of 200kD known as Syndecan-1 (CD138). Syndecan functions as a receptor for collagen, fibronectin and thrombospondin. Stains all plasma cells and plasma cell lines. No staining of other leucocyte ...

**Reconstitution & Storage**

Protein G purified

**Precautions**

Anti-SDC1 / Syndecan 1 / CD138 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-SDC1 / Syndecan 1 / CD138 Antibody - Protein Information****Name** SDC1 ([HGNC:10658](#))**Synonyms** SDC**Function**

Cell surface proteoglycan that contains both heparan sulfate and chondroitin sulfate and that links the cytoskeleton to the interstitial matrix (By similarity). Regulates exosome biogenesis in concert with SDCBP and PDCD6IP (PubMed:<a href="http://www.uniprot.org/citations/22660413" target="\_blank">22660413</a>). Able to induce its own expression in dental mesenchymal cells and also in the neighboring dental epithelial cells via an MSX1-mediated pathway (By similarity).

**Cellular Location**

Membrane; Single-pass type I membrane protein. Secreted Secreted, extracellular exosome  
Note=Shedding of the ectodomain produces a soluble form

**Tissue Location**

Detected in placenta (at protein level) (PubMed:32337544). Detected in fibroblasts (at protein level) (PubMed:36213313).

**Anti-SDC1 / Syndecan 1 / CD138 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-SDC1 / Syndecan 1 / CD138 Antibody - Images**