

## Syndecan-1/CD138 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P77852
Synonyms:	Syndecan-1; SYND1; CD138; SDC1; SDC; SDC1
Species:	Human
Source:	HEK293
Accession:	P18827 (Q23-G254)
Gene ID:	6382
Molecular Weight:	50-70 kDa

### PROPERTIES

Biological Activity	Immobilized Anti-Syndecan-1 Antibody at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human Syndecan-1, His Tag with the EC <sub>50</sub> of 0.12µg/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Syndecan-1/CD138 Protein is a cell surface proteoglycan characterized by the presence of heparan sulfate and chondroitin sulfate, which enables its role in connecting the cytoskeleton to the interstitial matrix. It collaborates with SDCBP and PDCD6IP to regulate exosome biogenesis. Furthermore, Syndecan-1/CD138 Protein has the ability to induce its own expression not only in dental mesenchymal cells but also in adjacent dental epithelial cells through an MSX1-mediated pathway. It interacts with CDCP1 and TIAM1, specifically through its C-terminus and the PDZ domain of TIAM1, respectively. Additionally, Syndecan-1/CD138 Protein interacts with MDK, facilitating its involvement in various cellular processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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