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Anti-SDC1 / Syndecan 1 / CD138 Antibody

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17823

Product Information

Application	IHC-P, IHC-F, FC
Primary Accession	P18827
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	32462
Concentration (mg/ml)	0.1 mg/ml

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.

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:22660413). 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.