

Recombinant Human Syndecan 1

Cat. No. SDC1-2390H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Syndecan 1 encoding 18-218 aa expressed in <i>E.coli</i> .
Species	Human
Source	E.coli
Protein Length	18-218 a.a.
Description	CD138 / Syndecan-1 is a transmembrane heparin sulphate proteoglycan which is made up of one core protein and five glycosaminoglycan. CD138 is expected to play a role in cell adhesion. It is expressed on the surface of pre-B cells and plasma cells but is absent from mature B cells. It is a selective marker for B cell lymphoblastic leukemia and lymphoplasmacytoid leukemia. It is lost from the apoptotic myeloma cells; hence is a useful marker for viable myeloma cells.
Presentation	100µl purified human CD138 protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.
Application	ELISA, Inhibition Assays, Western Blotting.
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 48kDa including GST.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

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GENE INFORMATION

Gene Name	SDC1 syndecan 1 [Homo sapiens]
Synonyms	SDC1; syndecan 1; SDC; CD138; SYND1; syndecan; syndecan-1; CD138 antigen; syndecan proteoglycan 1; heparan sulfate proteoglycan fibroblast growth factor receptor
Gene ID	6382
mRNA Refseq	NM_001006946
Protein Refseq	NP_001006947
MIM	186355
UniProt ID	P18827
Chromosome Location	2p24.1
Pathway	Cell adhesion molecules (CAMs); ECM-receptor interaction; Metabolism of lipids and lipoproteins
Function	cytoskeletal protein binding; protein C-terminus binding

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