Datasheet for ABIN6961079

Syndecan 1 Protein (SDC1) (Fc-His Tag)

2 Images

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Overview

Quantity:	100 µg
Target:	Syndecan 1 (SDC1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Syndecan 1 protein is labelled with Fc-His Tag.
Application:	ELISA

Product Details

Purpose:	Recombinant human CD138 protein with C-terminal human Fc and 6xHis tag
Specificity:	CD138 (Gln23-Gly254) hFc (Glu99-Ala330) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Syndecan 1 (SDC1)
Alternative Name:	CD138 (SDC1 Products)
Background:	Synonymes: SDC1, Syndecan-1, CD138, SYND1, SDC

Target Details

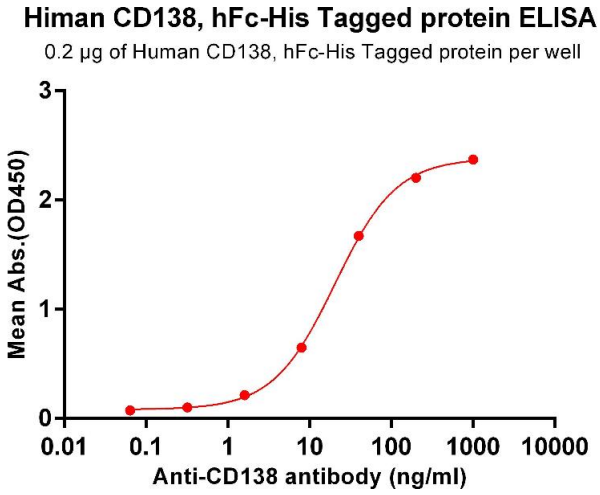
	Description: Syndecan-1 (SYND1 or SDC1) is also known as CD antigen CD138, is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 / 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. It is a useful marker for plasma cells, but only if the cells tested are already known to be derived from blood.
Molecular Weight:	predicted molecular mass of 50.8 kDa after removal of the signal peptide. The apparent molecular mass of CD138-hFc-His is 70-100 kDa due to glycosylation.
Gene ID:	6382
UniProt:	P18827
Pathways:	Glycosaminoglycan Metabolic Process, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Lipid Metabolism

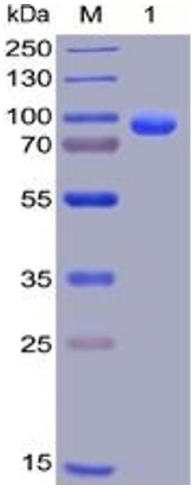
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Preservative:	Without preservative
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months





ELISA

Image 1. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD138, hFc-His tagged protein (ABIN6961079) can bind Anti-CD138 antibody in a linear range of 1.6-200 ng/mL.

SDS-PAGE

Image 2. Human CD138, hFc-His Tag on SDS-PAGE under reducing condition.