

## **PRODUCT INFORMATION**

CD138 **Target** 

**Synonyms** SDC1;Syndecan-1;CD138;SYND1;SDC

Recombinant human CD138 protein with C-**Description** 

terminal human Fc and 6×His tag

**Delivery** In Stock **Uniprot ID** P18827 **Expression Host HEK293** 

Storage & Shipping

**Background** 

C-Human Fc and 6×His Tag Tag

Molecular CD138(Gln23-Gly254) hFc(Glu99-Ala330) 6×His Characterization

The protein has a predicted molecular mass of 50.8 kDa after removal of the signal peptide. The **Molecular Weight** 

apparent molecular mass of CD138-hFc-His is approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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.

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

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known to be derived from blood.

**Usage** Research use only Conjugate Unconjugated



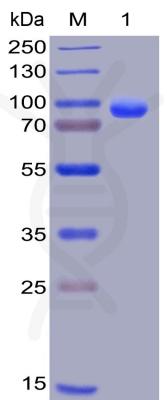


Figure 1. Human CD138, hFc-His Tag on SDS-PAGE under reducing condition.

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