

**PRODUCT INFORMATION**

<b>Target</b>	CD138
<b>Synonyms</b>	SDC1; Syndecan-1; CD138; SYND1; SDC
<b>Description</b>	Recombinant human CD138 protein with C-terminal human Fc and 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P18827
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc and 6×His Tag
<b>Molecular Characterization</b>	CD138(Gln23-Gly254) hFc(Glu99-Ala330) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 50.8 kDa after removal of the signal peptide. The apparent molecular mass of CD138-hFc-His is approximately 70-100 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated





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

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