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32-17006: Recombinant human CD138 protein with C-terminal human Fc and 6Ã—His tag

Alternative Name : SDC1, Syndecan-1, CD138, SYND1, SDC

Description

Expression Host : HEK293
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.
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.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

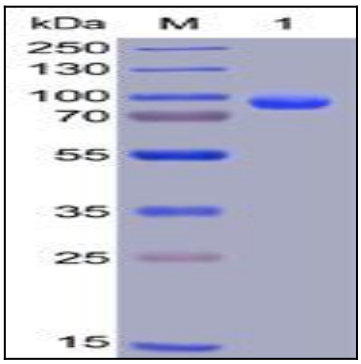

Figure 1. Human CD138, hFc-His Tag on SDS-PAGE under reducing condition.

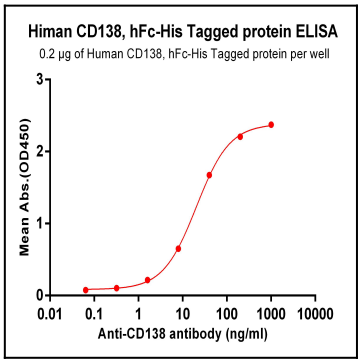

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CD138, hFc-His tagged protein can bind Anti-CD138 antibody in a linear range of 1.6-200 ng/ml.