

Human CD138 ELISA Kit | SDC1 elisa kit

Human CD138 ELISA Kit

CATALOG # AAA261763	REACTIVITY Human	APPLICATIONS ELISA
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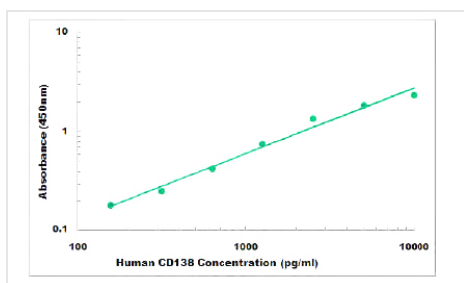
PRODUCT SYNONYMS

CD138; Human CD138 ELISA Kit; SDC; Syndecan-1; SYND1; SDC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD138 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD138 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	310
Samples	Cell Culture Supernatants, Serum.
Sensitivity	10 pg/ml.
Applicable Applications for SDC1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDC1 elisa kit	Principle of the Assay The Human CD138 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD138 in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Human CD138 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD138 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD138 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD138 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Syndecan 1, also known as SYND1 or CD138, is a protein which in humans is encoded by the SDC1 gene. The protein encoded by this gene is a transmembrane(type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. This gene is mapped to 2p24.1. The syndecans mediate cell binding, cell signaling, cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan 1 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. What's more, Syndecan-1 is also a sponge for growth factors, with binding largely via heparan sulfate chains.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229463011
NCBI GeneID	6382
UniProt Accession #	P18827; Q53QV0; Q546D3; Q96HB7; D6W523; AAB21434; AAB23935
Molecular Weight	32,462 Da
NCBI Official Full Name	Syndecan-1
NCBI Official Synonym Full Names	syndecan 1
NCBI Official Symbol	SDC1
NCBI Official Synonym Symbols	SDC; CD138; SYND1; syndecan
NCBI Protein Information	syndecan-1
UniProt Protein Name	Syndecan-1
UniProt Gene Name	SDC1
UniProt Synonym Gene Names	SDC; SYND1
UniProt Entry Name	SDC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.