

Human Syndecan-1 ELISA Kit | SDC1 elisa kit

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CATALOG #
AAA17364

REACTIVITY
Human

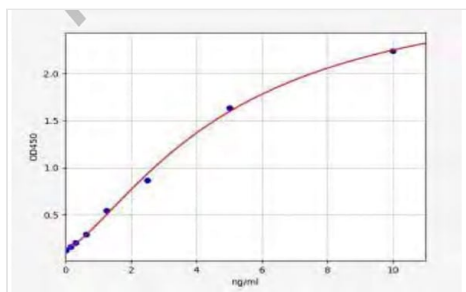
PRODUCT SYNONYMS

Syndecan-1; Human Syndecan-1 ELISA Kit; Syndecan-1/SDC1/CD138/SDC/syndecan/syndecan 1/syndecan proteoglycan 1; SDC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize SDC1, no obvious cross reaction with other analogues
Sequence Length	310
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDC1 elisa kit	Background: syndecan-1 is a member of the transmembrane heparan sulfate proteoglycan family. syndecan-1 is expressed in most epithelial cells and its expression is highly regulated and specific to cell type and stage of development. Through its extracellular region, the side chain can covalently bind a series of ligands, regulate the interaction between cells and the microenvironment as asce11-surface co-receptors, and play an important role in the support, adhesion, movement, proliferation and differentiation of normal cells. The expression of syndecan-1 decreased in various tumor cells, which is closely related to the growth, differentiation and metastasis of tumor cells, and can be used as an indicator to judge the prognosis of various tumors. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti SDC1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti SDC1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with SDC1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of SDC1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55749480
NCBI GeneID	6382
NCBI Accession #	NP_001006947.1
NCBI GenBank Nucleotide #	NM_001006946.1
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.