

Human Syndecan 4 ELISA Kit | SDC4 elisa kit

Human Syndecan 4 ELISA Kit

CATALOG # AAA261757	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

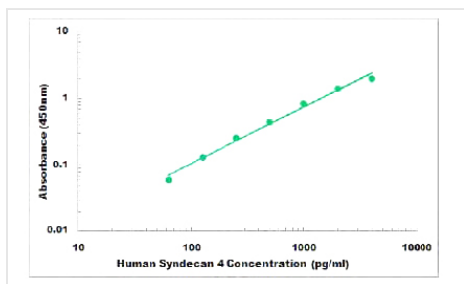
PRODUCT SYNONYMS

Syndecan 4; Human Syndecan 4 ELISA Kit; Syndecan-4; SYND4; Amphiglycan; Ryudocan core protein; SDC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Syndecan 4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Syndecan 4 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	198
Samples	Cell Culture Supernatants, Serum.
Sensitivity	10 pg/ml.
Applicable Applications for SDC4 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 SDC4 elisa kit	Principle of the Assay The Human Syndecan 4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Syndecan 4 in Cell Culture Supernatants, Serum. This assay employs an antibody specific for Human Syndecan 4 coated on a 96-well plate. Standards and samples are pipetted into the wells and Syndecan 4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Syndecan 4 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 Syndecan 4 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-4 (SDC4) is a protein that in humans is encoded by the SDC4 gene. The protein is found as a homodimer and is a member of the syndecan proteoglycan family. It is mapped to 20q13.12. Syndecan-4 is one of the four vertebrate syndecans and has a molecular weight of ~20 kDa. It is a transmembrane (type I) heparan sulfate proteoglycan that functions as a receptor in intracellular signaling. Syndecan-4 also regulates the actin cytoskeleton, cell adhesion, and cell migration. In addition, Syndecan-4 can activate protein kinase C (PKC). The variable domain of syndecan-4 could be a site of self-association. What's more, Syndecan-4 also binds to phosphatidylinositol (4,5)-bisphosphate (PIP2) through the variable domain and increases PKC activity ten-fold.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	2851418
NCBI GeneID	6385
UniProt Accession #	P31431; O00773; Q16833; Q53FN9; Q6FGN3
Molecular Weight	16,545 Da
NCBI Official Full Name	Syndecan-4
NCBI Official Synonym Full Names	syndecan 4
NCBI Official Symbol	SDC4
NCBI Official Synonym Symbols	SYND4
NCBI Protein Information	syndecan-4
UniProt Protein Name	Syndecan-4
UniProt Gene Name	SDC4
UniProt Synonym Gene Names	SYND4
UniProt Entry Name	SDC4_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.