

Human Syndecan-3/SDC3 ELISA Kit | SDC3 elisa kit

Human Syndecan-3/SDC3 PicoKine ELISA Kit

CATALOG #
AAA46781

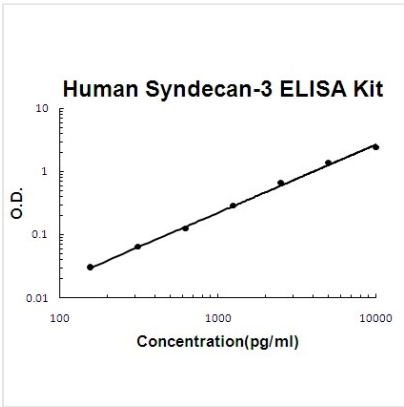
REACTIVITY
Human

PRODUCT SYNONYMS

Syndecan-3/SDC3; Human Syndecan-3/SDC3 PicoKine ELISA Kit; N-syndecan; Sdc3; SDC3_HUMAN; SDCN; SYND3; Syndecan neural type; syndecan proteoglycan 3; Syndecan-3; Syndecan 3; O75056; SDC3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Syndecan-3
Sequence Length	442
Assay Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	20-25
Immunogen	NSO, A41-V387
Sample Data	Concentration(pg/ml): 0 156 312 625 1250 2500 5000 10000 O.D.: 0.011 0.030 0.063 0.124 0.282 0.656 1.353 2.398
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 177 695 3112 186 987 4569 Standard Deviation: 5.84 25.02 108.92 6.32 37.50 164.48 CV(%): 3.3 3.6 3.5 3.4 3.8 3.6
Assay Procedure Step 1	Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human Syndecan-3 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, cell lysates, tissue homogenates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human Syndecan-3 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human Syndecan-3/SDC3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SDC3 elisa kit	For quantitative detection of human Syndecan-3 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma(heparin, EDTA). Background: Syndecan-3 is a protein that in humans is encoded by the SDC3 gene. The protein encoded by this gene belongs to the syndecan proteoglycan family, which was assigned to human chromosome 1p35.2, and it showed that in the mouse the Synd3 gene maps to chromosome 4 near the Lmyc gene. The transfection of SDC3 resulted in the formation of long filopodia-like structures, microspikes, and varicosities in several cell lines. Besides, the gene plays a role in the organization of cell shape by affecting the actin cytoskeleton, possibly by transferring signals from the cell surface in a sugar-dependent mechanism. Allelic variants of this gene have been associated with obesity. Principle: Human Syndecan-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for Syndecan-3 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: A41-V387) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Syndecan-3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Syndecan-3 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187960059
NCBI GeneID	9672
NCBI Accession #	NP_055469.3
NCBI GenBank Nucleotide #	NM_014654.3
UniProt Accession #	O75056; Q5T1Z6; Q5T1Z7; Q96CT3; Q96PR8
Molecular Weight	45,497 Da
NCBI Official Full Name	syndecan-3
NCBI Official Synonym Full Names	syndecan 3
NCBI Official Symbol	SDC3
NCBI Official Synonym Symbols	SDCN; SYND3
NCBI Protein Information	syndecan-3
UniProt Protein Name	Syndecan-3

UniProt Gene Name	SDC3
UniProt Synonym Gene Names	KIAA0468; SYND3

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/syndecan-3-sdc3/46781>