

Mouse Syndecan-3/SDC3 ELISA Kit | Sdc3 elisa kit

Mouse Syndecan-3/SDC3 PicoKine ELISA Kit

CATALOG #
AAA46782

REACTIVITY
Mouse

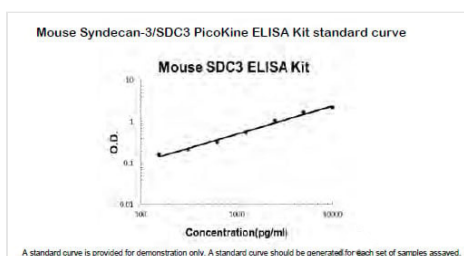
PRODUCT SYNONYMS

Syndecan-3/SDC3; Mouse 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	Mouse
Specificity	Natural and recombinant Mouse Sdc3
Sequence Length	442
Samples	Cell culture supernates, cell lysates, serum and plasma(heparin, edta)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Sdc3 elisa kit	Principle of the Assay: The Picokine™ Mouse Sdc3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Sdc3 with a 96-well strip plate that is pre-coated with antibody specific for Sdc3. The detection antibody is a biotinylated antibody specific for Sdc3. The kit contains recombinant Mouse Sdc3 with immunogen: Expression system for standard: NSO; Immunogen sequence: A45-V387. The kit is analytically validated with ready to use reagents. To measure Mouse Sdc3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Sdc3 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Sdc3 in the sample. Background/Introduction: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42476310
NCBI GeneID	20970
NCBI Accession #	NP_035650.2
NCBI GenBank Nucleotide #	NM_011520.3
UniProt Accession #	Q64519; Q3UDD9; Q6ZQA4; Q7TQD4
Molecular Weight	46,002 Da
NCBI Official Full Name	syndecan-3
NCBI Official Synonym Full Names	syndecan 3
NCBI Official Symbol	Sdc3
NCBI Official Synonym Symbols	Synd3; syn-3; mKIAA0468
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/mouse-elisa-kits/syndecan-3-sdc3/46782>