

Rat Syndecan 4 (SDC4) ELISA Kit | SDC4 elisa kit

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CATALOG #
AAA63868

REACTIVITY
Rat

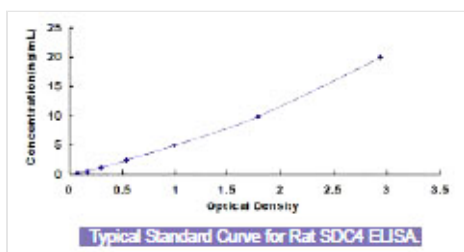
PRODUCT SYNONYMS

Syndecan 4 (SDC4); Rat Syndecan 4 (SDC4) ELISA Kit; SYND4; Amphiglycan; Ryudocan; Ryudocan core protein; SDC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SDC4. No significant cross-reactivity or interference between SDC4 and analogues was observed.
Sequence Length	202
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.133ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SDC4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SDC4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDC4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SDC4 in rat serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SDC4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SDC4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SDC4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SDC4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981522
NCBI GeneID	24771
NCBI Accession #	NP_036781.1
NCBI GenBank Nucleotide #	NM_012649.2
UniProt Accession #	P34901
Molecular Weight	21,962 Da
NCBI Official Full Name	syndecan-4
NCBI Official Synonym Full Names	syndecan 4
NCBI Official Symbol	Sdc4
NCBI Official Synonym Symbols	RYUDOCA; RATRYUDOCA
NCBI Protein Information	syndecan-4
UniProt Protein Name	Syndecan-4
UniProt Gene Name	Sdc4
UniProt Synonym Gene Names	Synd4; SYND4

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.