

Rat Heparan Sulfate Proteoglycan (HSPG) ELISA Kit | HSPG elisa kit

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CATALOG #
AAA64392

REACTIVITY
Rat

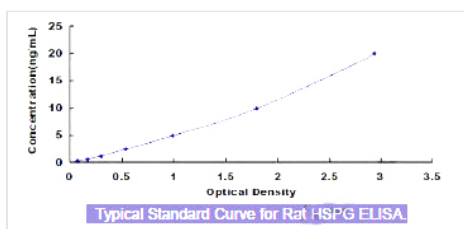
PRODUCT SYNONYMS

Heparan Sulfate Proteoglycan (HSPG); Rat Heparan Sulfate Proteoglycan (HSPG) ELISA Kit; HSPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPG. No significant cross-reactivity or interference between HSPG and analogues was observed.
Sequence Length	211
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.07ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPG 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 HSPG 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 HSPG elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPG in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSPG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSPG. 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 HSPG, 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 HSPG 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 #	6981520
NCBI GeneID	25615
NCBI Accession #	NP_037214.1
NCBI GenBank Nucleotide #	NM_013082.3
UniProt Accession #	P34900
Molecular Weight	22,149 Da
NCBI Official Full Name	syndecan-2
NCBI Official Synonym Full Names	syndecan 2
NCBI Official Symbol	Sdc2
NCBI Official Synonym Symbols	HSPG
NCBI Protein Information	syndecan-2
UniProt Protein Name	Syndecan-2
UniProt Gene Name	Sdc2
UniProt Synonym Gene Names	Hspg1; Synd2; SYND2; HSPG

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.