

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

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CATALOG #
AAA148520

REACTIVITY
Rat

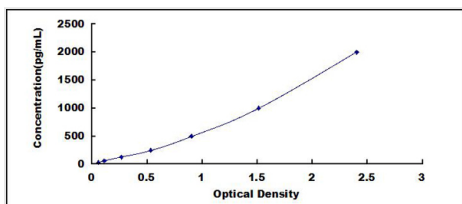
PRODUCT SYNONYMS

Heparan Sulfate Proteoglycan (HSPG); Rat Heparan Sulfate Proteoglycan (HSPG) ELISA Kit; SDC2; HSPG1; SYND2; Fibroglycan; Syndecan 2; Syndecan Proteoglycan 2; Heparan Sulfate Proteoglycan 1; Cell Surface-Associated; Heparan Sulphate Proteoglycan; HSPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Heparan Sulfate Proteoglycan (HSPG). No significant cross-reactivity or interference between Heparan Sulfate Proteoglycan (HSPG) and analogues was observed.
Sequence Length	211
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	12.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Heparan Sulfate Proteoglycan (HSPG) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Heparan Sulfate Proteoglycan (HSPG) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPG elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heparan Sulfate Proteoglycan (HSPG). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heparan Sulfate Proteoglycan (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 Heparan Sulfate Proteoglycan (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 Heparan Sulfate Proteoglycan (HSPG) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HSPG elisa kit	Signal transduction; Metabolic pathway; Tumor immunity; Infection immunity; Developmental science

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/heparan-sulfate-proteoglycan-hspg/148520>