

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

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CATALOG #
AAA20669

REACTIVITY
Human

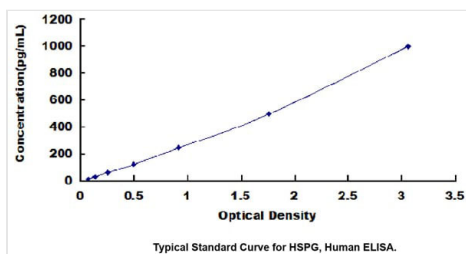
PRODUCT SYNONYMS

Heparan Sulfate Proteoglycan (HSPG); Human 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	Human
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	4,391
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.1pg/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	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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HSPG. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPG in human serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for HSPG elisa kit	Signal transduction; Metabolic pathway; Tumor immunity; Infection immunity; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	184427
NCBI GeneID	3339
UniProt Accession #	P98160; Q16287; Q5SZI3; Q9H3V5
Molecular Weight	468,830 Da
NCBI Official Full Name	heparan sulfate proteoglycan
NCBI Official Synonym Full Names	heparan sulfate proteoglycan 2
NCBI Official Symbol	HSPG2
NCBI Official Synonym Symbols	PLC; SJA; SJS; HSPG; SJS1; PRCAN
NCBI Protein Information	basement membrane-specific heparan sulfate proteoglycan core protein
UniProt Protein Name	Basement membrane-specific heparan sulfate proteoglycan core protein
UniProt Gene Name	HSPG2
UniProt Synonym Gene Names	HSPG; PLC
UniProt Entry Name	PGBM_HUMAN

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://www.aaabiotech.com/human-elisa-kits/heparan-sulfate-proteoglycan-hspg/20669>