

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

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CATALOG #
AAA71285

REACTIVITY
Human

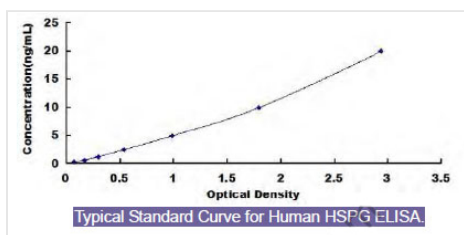
PRODUCT SYNONYMS

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 rtu 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	202
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.122ng/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 kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPG rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HSPG in human serum, plasma, tissue homogenates or 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 #	6677891
NCBI GeneID	15529
NCBI Accession #	NP_032330.1
NCBI GenBank Nucleotide #	NM_008304.2
UniProt Accession #	P43407
Molecular Weight	22,131 Da
NCBI Official Full Name	syndecan-2
NCBI Official Synonym Full Names	syndecan 2
NCBI Official Symbol	Sdc2
NCBI Official Synonym Symbols	Hspg1; Synd2; AA960457; syndecan-2; 4833414L08Rik
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/human-rtu-elisa-kits/heparan-sulfate-proteoglycan-hspg/71285>