

Mouse Heparan Sulphate Proteoglycan ELISA Kit | HSPG elisa kit

Mouse Heparan Sulphate Proteoglycan ELISA Kit

CATALOG # AAA15963	REACTIVITY Mouse
------------------------------	----------------------------

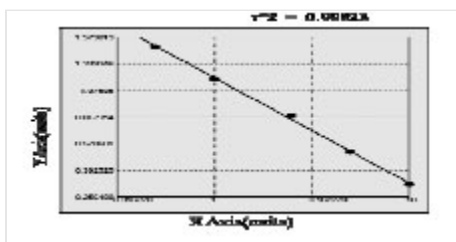
PRODUCT SYNONYMS

Heparan Sulphate Proteoglycan; Mouse Heparan Sulphate Proteoglycan ELISA Kit; HSPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPG elisa kit	Intended Uses This HSPG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HSPG. This ELISA kit for research use only! Principle of the Assay: HSPG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HSPG antibody and an HSPG-HRP conjugate. The assay sample and buffer are incubated together with HSPG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to theHSPG concentration since HSPG from samples and HSPG-HRP conjugate compete for the anti-HSPG antibody binding site. Since the number of sites is limited, as more sites are occupied by HSPG from the sample, fewer sites are left to bind HSPG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSPG concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HSPG elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	13242858
NCBI GeneID	3339
Molecular Weight	468,830 Da
NCBI Official Full Name	heparan sulfate proteoglycan core protein, partial
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; perlecan proteoglycan; endorepellin (domain V region)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hspg-mouse-elisa-kits/heparan-sulphate-proteoglycan/15963>