

Human Heparan Sulphate Proteoglycan ELISA Kit | HSPG elisa kit

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CATALOG #
AAA16683

REACTIVITY
Human

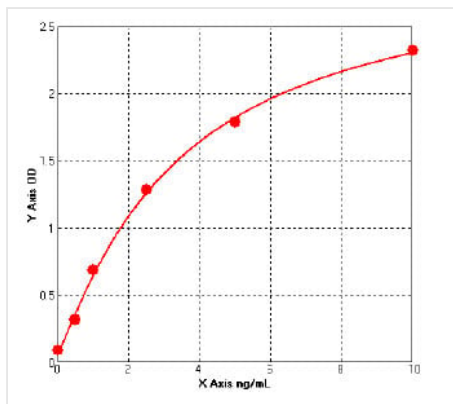
PRODUCT SYNONYMS

Heparan Sulphate Proteoglycan; Human Heparan Sulphate Proteoglycan ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSPG and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/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 Human HSPG. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: HSPG ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for HSPG. Standards or samples are then added to the microtiter plate wells and HSPG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HSPG present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HSPG are added to each well to "sandwich" the HSPG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HSPG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.