

Human Heparan sulfate ELISA Kit | HS elisa kit

Human Heparan sulfate (HS) ELISA Kit

CATALOG #
AAA55894

REACTIVITY
Human

PRODUCT SYNONYMS

Heparan sulfate; Human Heparan sulfate (HS) ELISA Kit; HS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human HS. No significant cross-reactivity or interference between Human HS and analogues was observed.
Sequence Length	307
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	62.5 ng/mL - 4000 ng/mL
Sensitivity	31.2 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HS elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HS in Human serum, plasma. An antibody specific for HS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HS is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HS bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Heparan Sulfate (HS) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826764
NCBI GeneID	9957
NCBI Accession #	NP_005105.1
NCBI GenBank Nucleotide #	NM_005114.2
Molecular Weight	35,773 Da

NCBI Official Full Name	heparan sulfate glucosamine 3-O-sulfotransferase 1
NCBI Official Synonym Full Names	heparan sulfate-glucosamine 3-sulfotransferase 1
NCBI Official Symbol	HS3ST1
NCBI Official Synonym Symbols	3OST; 3OST1
NCBI Protein Information	heparan sulfate glucosamine 3-O-sulfotransferase 1
UniProt Protein Name	Heparan sulfate glucosamine 3-O-sulfotransferase 1
UniProt Gene Name	HS3ST1
UniProt Synonym Gene Names	3OST; 3OST1; 3-OST-1; Heparan sulfate 3-O-sulfotransferase 1; h3-OST-1
UniProt Entry Name	HS3S1_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/hs-human-elisa-kits/heparan-sulfate/55894>