

Human Bifunctional heparan sulfate N deacetylase/N sulfotransferase 1 (NDST1) ELISA Kit | NDST1 elisa kit

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CATALOG # AAA97605	REACTIVITY Human
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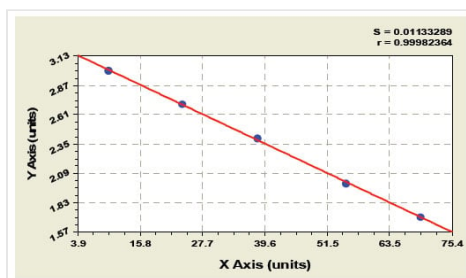
PRODUCT SYNONYMS

Bifunctional heparan sulfate N deacetylase/N sulfotransferase 1 (NDST1); Human Bifunctional heparan sulfate N deacetylase/N sulfotransferase 1 (NDST1) ELISA Kit; NDST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This BTA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BTA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NDST1 elisa kit

Principle of the assay: BTA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BTA antibody and an BTA-HRP conjugate. The assay sample and buffer are incubated together with BTA-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 the BTA concentration since BTA from samples and BTA-HRP conjugate compete for the anti-BTA antibody binding site. Since the number of sites is limited, as more sites are occupied by BTA from the sample, fewer sites are left to bind BTA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BTA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505351
NCBI GeneID	3340
NCBI Accession #	NP_001534.1
NCBI GenBank Nucleotide #	NM_001543.4
Molecular Weight	62,065 Da
NCBI Official Full Name	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1 isoform 1
NCBI Official Synonym Full Names	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1
NCBI Official Symbol	NDST1
NCBI Official Synonym Symbols	HSST; NST1
NCBI Protein Information	bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1; NDST-1; HSNST 1; N-HSST 1; N-heparan sulfate sulfotransferase 1; glucosaminyl N-deacetylase/N-sulfotransferase 1; heparan sulfate-N-deacetylase/N-sulfotransferase; [Heparan sulfate]-glucosamine N-sulfotransferase 1
UniProt Protein Name	Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1
UniProt Gene Name	NDST1
UniProt Synonym Gene Names	HSST; HSST1; NDST-1; N-HSST 1; HSNST 1
UniProt Entry Name	NDST1_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.