

Human IDS ELISA Kit | IDS elisa kit

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CATALOG #
AAA263051

REACTIVITY
Human

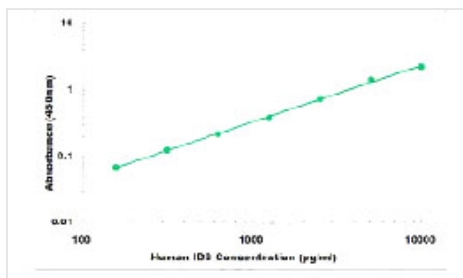
PRODUCT SYNONYMS

IDS; Human IDS ELISA Kit; SIDS; Iduronate 2-sulfatase; Alpha-L-iduronate sulfate sulfatase; Idursulfase; IDS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human IDS ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IDS proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	550
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDS elisa kit

Principle of the Assay: The Human IDS ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human IDS in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human IDS coated on a 96-well plate. Standards and samples are pipetted into the wells and IDS present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human IDS antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IDS bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Iduronate 2-sulfatase (IDS) is a sulfatase enzyme associated with Hunter syndrome. It encodes a member of the sulfatase family of proteins. Iduronate 2-sulfatase is involved in the lysosomal degradation of the glycosaminoglycans heparan sulfate and dermatan sulfate. The encoded preproprotein is proteolytically processed to generate two polypeptide chains. Mutations in this gene are associated with the X-linked lysosomal storage disease mucopolysaccharidosis type II, also known as Hunter syndrome. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557659
NCBI GeneID	3423
NCBI Accession #	NP_000193.1
NCBI GenBank Nucleotide #	NM_000202.7
UniProt Accession #	P22304; Q14604; Q9BRM3; D3DWT4
Molecular Weight	34,893 Da
NCBI Official Full Name	iduronate 2-sulfatase isoform a preproprotein
NCBI Official Synonym Full Names	iduronate 2-sulfatase
NCBI Official Symbol	IDS
NCBI Official Synonym Symbols	MPS2; SIDS
NCBI Protein Information	iduronate 2-sulfatase
UniProt Protein Name	Iduronate 2-sulfatase
UniProt Gene Name	IDS
UniProt Synonym Gene Names	SIDS; Idursulfase
UniProt Entry Name	IDS_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://stage.aaabiotech.com/human-elisa-kits/ids/263051>