

Mouse IDS ELISA Kit | IDS elisa kit

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CATALOG #
AAA263125

REACTIVITY
Mouse

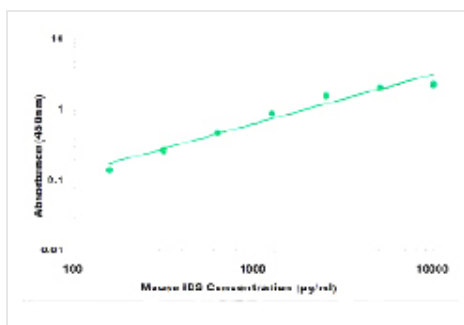
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse IDS ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse IDS proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	552
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 Mouse IDS ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse IDS in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse 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-Mouse 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 #	84781812
NCBI GeneID	15931
NCBI Accession #	NP_034628.2
NCBI GenBank Nucleotide #	NM_010498.3
UniProt Accession #	Q08890; Q32KI7; Q3TM30
Molecular Weight	62,186 Da
NCBI Official Full Name	iduronate 2-sulfatase
NCBI Official Synonym Full Names	iduronate 2-sulfatase
NCBI Official Symbol	Ids
NCBI Official Synonym Symbols	AW214631
NCBI Protein Information	iduronate 2-sulfatase
UniProt Protein Name	Iduronate 2-sulfatase
UniProt Gene Name	Ids
UniProt Entry Name	IDS_MOUSE

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/mouse-elisa-kits/ids/263125>