

Human Alpha-L-iduronidase ELISA Kit | IDUA elisa kit

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CATALOG #
AAA17393

REACTIVITY
Human

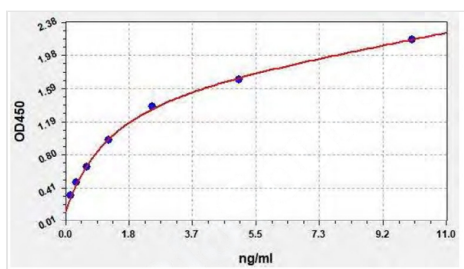
PRODUCT SYNONYMS

Alpha-L-iduronidase; Human Alpha-L-iduronidase ELISA Kit; IDUalpha (alpha-L-Iduronidase)/IDUA/alpha -L-Iduronidase/IDA/MPS1; IDUA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IDUA. No significant cross-reactivity or interference between IDUA and analogues was observed.
Sequence Length	653
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDUA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611239
NCBI GeneID	3425
NCBI Accession #	NP_000194.2
NCBI GenBank Nucleotide #	NM_000203.4
Molecular Weight	73,455 Da
NCBI Official Full Name	alpha-L-iduronidase
NCBI Official Synonym Full Names	iduronidase, alpha-L-
NCBI Official Symbol	IDUA
NCBI Official Synonym Symbols	IDA; MPS1
NCBI Protein Information	alpha-L-iduronidase
UniProt Protein Name	Alpha-L-iduronidase
UniProt Gene Name	IDUA
UniProt Entry Name	IDUA_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/idua-human-elisa-kits/alpha-l-iduronidase/17393>