

Human a L iduronidase ELISA Kit | IDUA elisa kit

Human a L iduronidase ELISA Kit

CATALOG #
AAA86987

REACTIVITY
Human

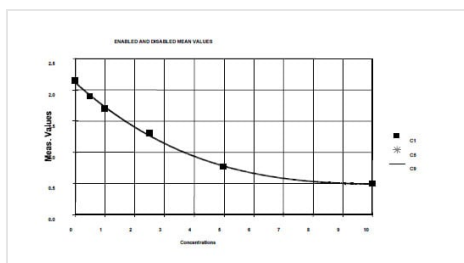
PRODUCT SYNONYMS

a L iduronidase; Human a L iduronidase ELISA Kit; IDUA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IDUA elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This IDUA ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of IDUA in the sample, this IDUA ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus IDUA concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of IDUA utilizes a monoclonal anti-IDUA antibody and an IDUA-HRP conjugate. The assay sample and buffer are incubated together with IDUA-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 IDUA concentration since IDUA from samples and IDUA-HRP conjugate compete for the anti-IDUA antibody binding site. Since the number of sites is limited, as more sites are occupied by IDUA from the sample, fewer sites are left to bind IDUA-HRP conjugate. Standards of known IDUA concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of IDUA. The IDUA concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IDUA elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62089474
NCBI GeneID	3425
Molecular Weight	72,670 Da
NCBI Official Full Name	IDUA protein, partial
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/a-l-iduronidase/86987>