

Human Alpha Glucosidase ELISA Kit | A Glu elisa kit

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CATALOG #
AAA16558

REACTIVITY
Human

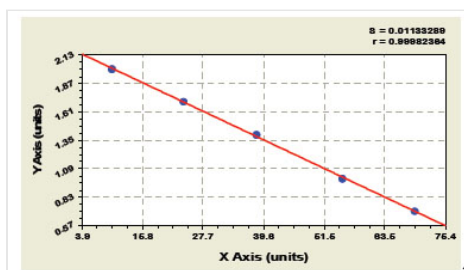
PRODUCT SYNONYMS

Alpha Glucosidase; Human Alpha Glucosidase ELISA Kit; A Glu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for A Glu elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This GAA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GAA. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	114159823
NCBI GeneID	2548
Molecular Weight	105,324 Da
NCBI Official Full Name	alpha-glucosidase
NCBI Official Synonym Full Names	glucosidase, alpha; acid
NCBI Official Symbol	GAA
NCBI Official Synonym Symbols	LYAG
NCBI Protein Information	lysosomal alpha-glucosidase; acid maltase; aglucosidase alfa
UniProt Protein Name	Lysosomal alpha-glucosidase
UniProt Gene Name	GAA
UniProt Entry Name	LYAG_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/a-glu-human-elisa-kits/alpha-glucosidase/16558>