

Monkey alpha-Glucosidase ELISA Kit | A-Glu elisa kit

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CATALOG #
AAA17101

REACTIVITY
Monkey

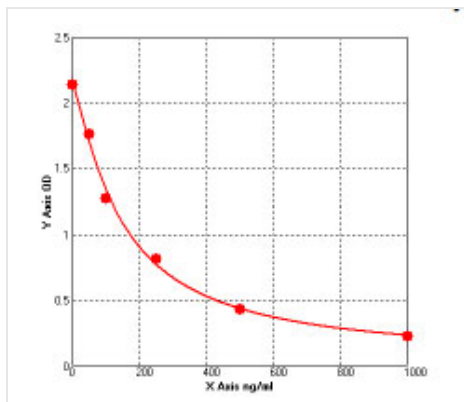
PRODUCT SYNONYMS

alpha-Glucosidase; Monkey alpha-Glucosidase ELISA Kit; Monkey a-Glucosidase ELISA Kit; A-Glu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of AGLU. No significant cross-reactivity or interference between AGLU and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AGLU and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/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	Principle of the Assay: AGLU ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AGLU antibody and an AGLU-HRP conjugate. The assay sample and buffer are incubated together with AGLU-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 AGLU concentration since AGLU from samples and AGLU-HRP conjugate compete for the anti-AGLU antibody binding site. Since the number of sites is limited, as more sites are occupied by AGLU from the sample, fewer sites are left to bind AGLU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AGLU concentration in each sample is interpolated from this standard curve. Intended Uses: This AGLU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey AGLU. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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.