

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

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CATALOG #
AAA83034

REACTIVITY
Rat

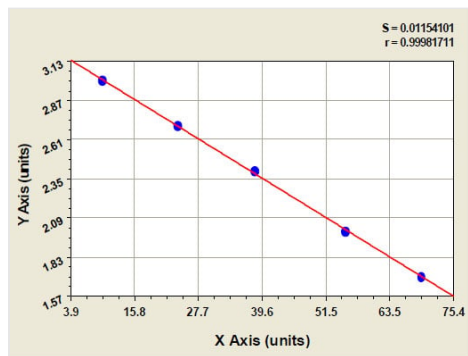
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This alpha-Glu ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat alpha-Glu. This ELISA kit for research use only, not for therapeutic applications!
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: alpha-Glu ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-alpha-Glu antibody and an alpha-Glu-HRP conjugate. The assay sample and buffer are incubated together with alpha-Glu-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 alpha-Glu concentration since alpha-Glu from samples and alpha-Glu-HRP conjugate compete for the anti-alpha-Glu antibody binding site. Since the number of sites is limited, as more sites are occupied by alpha-Glu from the sample, fewer sites are left to bind alpha-Glu-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha-Glu 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-rat-elisa-kits/alpha-glucosidase/83034>