

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

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CATALOG #
AAA81874

REACTIVITY
Rabbit

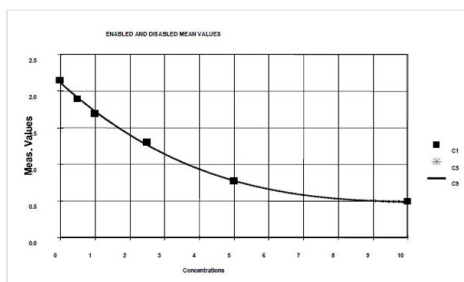
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/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: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This A-GLU 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 A-GLU in the sample, this A-GLU 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 A-GLU 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 A-GLU utilizes a multiclonal anti-A-GLU antibody and an A-GLU-HRP conjugate. The assay sample and buffer are incubated together with A-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 A-GLU concentration since A-GLU from samples and A-GLU-HRP conjugate compete for the anti-A-GLU antibody binding site. Since the number of sites is limited, as more sites are occupied by A-GLU from the sample, fewer sites are left to bind A-GLU-HRP conjugate. Standards of known A-GLU 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 A-GLU. The A-GLU concentration in each sample is interpolated from this standard curve.
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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.