

Mouse alpha-Galactosidase ELISA Kit | alphaGAL elisa kit

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CATALOG #
AAA89162

REACTIVITY
Mouse

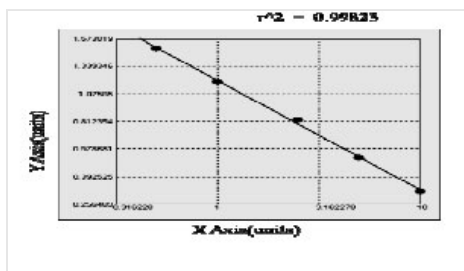
PRODUCT SYNONYMS

alpha-Galactosidase; Mouse alpha-Galactosidase ELISA Kit; Mouse a-Galactosidase ELISA Kit; alphaGAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alphaGAL elisa kit

Intended Uses: This GLalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GLalpha. This ELISA kit for research use only!

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

Product Categories/Family for alphaGAL elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	553299
NCBI GeneID	2717
Molecular Weight	48,767 Da
NCBI Official Full Name	alpha-galactosidase, partial
NCBI Official Synonym Full Names	galactosidase, alpha
NCBI Official Symbol	GLA
NCBI Official Synonym Symbols	GALA
NCBI Protein Information	alpha-galactosidase A; melibiase; alpha-gal A; agalsidase alfa; alpha-D-galactosidase A; alpha-D-galactoside galactohydrolase 1
UniProt Protein Name	Alpha-galactosidase A
UniProt Gene Name	GLA
UniProt Entry Name	AGAL_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/alphagal-mouse-elisa-kits/alpha-galactosidase/89162>