

Human alpha-Galactosidase ELISA Kit | alphaGAL elisa kit

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CATALOG #
AAA17060

REACTIVITY
Human

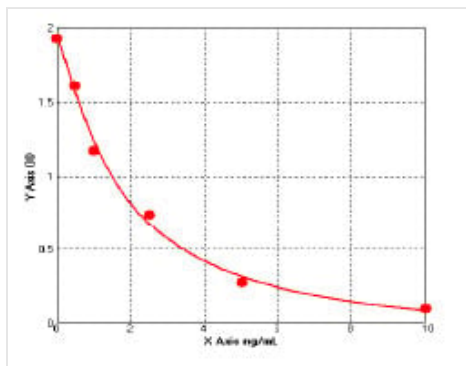
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GLalpha. No significant cross-reactivity or interference between GLalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLalpha and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
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 Human GLalpha. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: GLalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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
UniProt Accession #	P06280; Q53HF3; Q53Y83; Q6LER7
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.