

Sheep alpha-Galactosidase ELISA Kit | alphaGAL elisa kit

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CATALOG #
AAA92548

REACTIVITY
Sheep

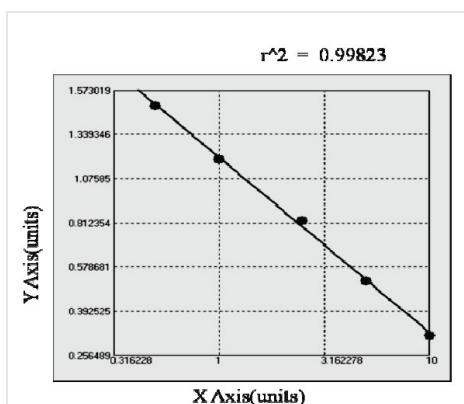
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 U/L.
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 alphaGAL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep alphaGAL. This ELISA kit for research use only!

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

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-sheep-elisa-kits/alpha-galactosidase/92548>