

Canine Galactosidase, Beta ELISA Kit | GLb elisa kit

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CATALOG #
AAA88313

REACTIVITY
Canine

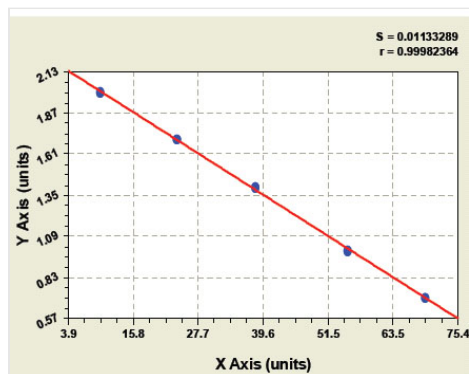
PRODUCT SYNONYMS

Galactosidase; Beta; Canine Galactosidase; Beta ELISA Kit; GLb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 U/L
Sensitivity	1.0U/L
Intended Uses	This GLbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine GLbeta. 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 GLb elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	119584848
NCBI GeneID	2720
Molecular Weight	72,751 Da
NCBI Official Full Name	galactosidase, beta 1, isoform CRA_c
NCBI Official Synonym Full Names	galactosidase, beta 1
NCBI Official Symbol	GLB1
NCBI Official Synonym Symbols	EBP; ELNR1; MPS4B
NCBI Protein Information	beta-galactosidase; lactase; acid beta-galactosidase; elastin receptor 1, 67kDa
UniProt Protein Name	Beta-galactosidase
UniProt Gene Name	GLB1
UniProt Synonym Gene Names	ELNR1; Lactase
UniProt Entry Name	BGAL_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/glb-canine-elisa-kits/galactosidase-beta/88313>