

Human galactosidase, beta 1 ELISA Kit | GLB1 elisa kit

Human beta-galactosidase, betaGAL ELISA Kit

CATALOG #
AAA80751

REACTIVITY
Human

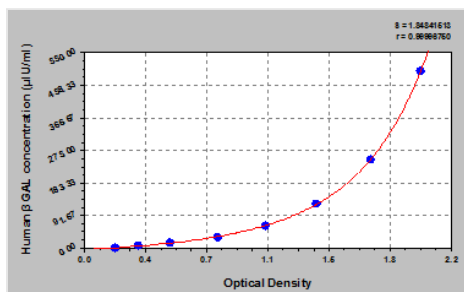
PRODUCT SYNONYMS

galactosidase; beta 1; Human beta-galactosidase; betaGAL ELISA Kit; EBP; ELNR1; elastin receptor 1; 67kDa; GLB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human betaGAL. No significant cross-reactivity or interference between human betaGAL and analogues was observed.
Sequence Length	677
Samples	Serum, plasma, urine, tissue homogenates
Assay Type	Sandwich
Detection Range	7.8 uIU/ml-500 uIU/ml.
Sensitivity	The minimum detectable dose of human betaGAL is typically less than 1.95 uIU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLB1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for betaGAL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any betaGAL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for betaGAL is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of betaGAL bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119372308
NCBI GeneID	2720
NCBI Accession #	NP_000395.2
NCBI GenBank Nucleotide #	NM_000404.2
UniProt Accession #	P16278; P16279; B2R7H8; B7Z6B0
Molecular Weight	76,075 Da
NCBI Official Full Name	beta-galactosidase isoform a preproprotein
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/glb1-human-elisa-kits/galactosidase-beta-1/80751>