

General Beta-Galactosidase Assay Kit | GLB1 assay kit

Beta-Galactosidase Microplate Assay Kit

CATALOG # AAA27852	REACTIVITY General	APPLICATIONS Functional Assay
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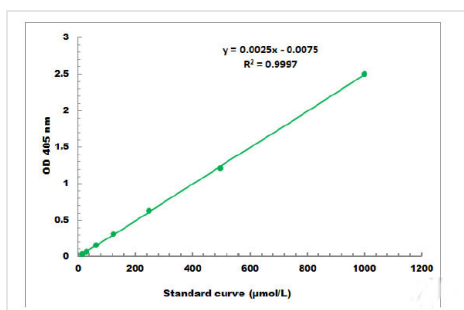
PRODUCT SYNONYMS

Beta-Galactosidase; Beta-Galactosidase Microplate Assay Kit; EC 3.2.1.23; Beta-galactosidase; Exo-(1->4)-beta-D-galactanase; Lactase; beta-gal; GLB1 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	677
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	10 umol/L - 1000 umol/L
Applicable Applications for GLB1 assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLB1 assay kit

Background: Beta galactosidase is a hydrolase enzyme that cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans. Beta galactosidase is an essential enzyme in the human body. Deficiencies in the protein can result in galactosialidosis or Morquio B syndrome. Senescent cells display senescence-associated expression of beta galactosidase activity. The assay is initiated with the enzymatic hydrolysis of the glucoside by beta-Galactosidase. The enzyme catalysed reaction products p-nitrophenol, can be measured at a colorimetric readout at 405 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119372308
NCBI GeneID	2720
NCBI Accession #	NP_000395.2
NCBI GenBank Nucleotide #	NM_000404.3

Molecular Weight	72,751 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
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/general-assay-kits/beta-galactosidase/27852>