

General Beta-Glucuronidase Assay Kit | GUSB assay kit

Beta-Glucuronidase Microplate Assay Kit

CATALOG # AAA264725	REACTIVITY General	APPLICATIONS Functional Assay
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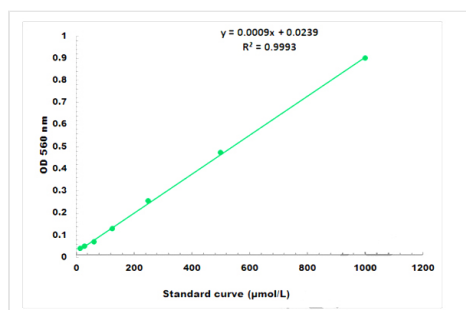
PRODUCT SYNONYMS

Beta-Glucuronidase; Beta-Glucuronidase Microplate Assay Kit; EC 3.2.1.31; Exo-beta-D-glucuronidase; glucuronidasa beta-; Glucuronidase; Glucuronidase beta-; GUS; Ketodase; beta-D-Glucuronidase; beta-Glucuronidase; beta-Glucuronide glucuronohydrolase; 4-O-Methylglucuronidase; Acid beta-D-glucuronidase; GUSB assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	651
Samples	Urine, Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	10 umol/L - 1000 umol/L
Applicable Applications for GUSB assay kit	FA (Functional Assay)
CAS Number	9001-45-0
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GUSB assay kit

Background: Beta-Glucuronidase is hydrolytic enzyme responsible for the breakdown of carbohydrates. Specifically, beta-Glucuronidase cleave the terminal beta-D-glucuronic acid residue from the non-reducing terminus of a mucopolysaccharide chain. In humans, these enzymes are found in the lysosome of many tissue types. Loss of Beta-Glucuronidase activity results in a metabolic disease known as Sly syndrome. One pharmaceutical application for these enzymes is the metabolism of glucuronidated prodrugs into active pharmacological compounds. As expression and activities of beta-Glucuronidase vary substantially between tissue types and disease states, these enzymes have been used to achieve targeted activation of oncotherapeutic compounds, some of which may be toxic to healthy cells not associated with malignancy or disease. It is thus important to have knowledge of the beta-Glucuronidase activity in the tested sample to determine whether the prodrug or active form will predominate. Beta-Glucuronidase Microplate Assay Kit is designed to measure mannitol in various samples in 96-well microplate. The color intensity at 560nm is directly proportional to beta-Glucuronidase activity in the sample.

NCBI AND UNIPROT INFORMATION

NCBI GI #	268834192
NCBI GeneID	2990
NCBI GenBank Nucleotide #	NP_000172.2
UniProt Accession #	P08236
NCBI Official Full Name	beta-glucuronidase isoform 1
NCBI Official Synonym Full Names	glucuronidase beta
NCBI Official Symbol	GUSB
NCBI Official Synonym Symbols	BG; MPS7
NCBI Protein Information	beta-glucuronidase
UniProt Protein Name	Beta-glucuronidase
UniProt Gene Name	GUSB
UniProt Entry Name	BGLR_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-glucuronidase/264725>