

General Beta-Amylase Assay Kit | BMY1 assay kit

Beta-Amylase Microplate Assay Kit

CATALOG # AAA261564	REACTIVITY General	APPLICATIONS Functional Assay
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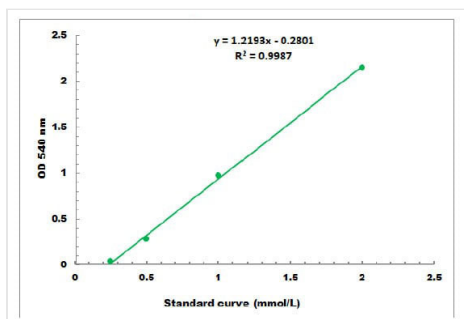
PRODUCT SYNONYMS

Beta-Amylase; Beta-Amylase Microplate Assay Kit; EC 3.2.1.2; Beta-amylase; 4-alpha-D-glucan maltohydrolase; Glycogenase; Saccharogen amylase; B-amylase; BMY1 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	496
Samples	Tissue extracts, Cell lysate Samples
Detection Range	0.2 mmol/L - 2 mmol/L
Applicable Applications for BMY1 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 BMY1 assay kit

Background: Amylase belongs to the family of glycoside hydrolase enzymes that break down starch into glucose molecules by acting on alpha-1,4-glycosidic bonds. beta-Amylase plays a central role in the complete degradation of starch to metabolisable or fermentable sugars during the germination or malting of cereal grains. It also finds considerable application, together with starch debranching enzymes, in the production of high maltose syrups. beta-Amylase is usually measured using non-specific reducing sugar assays with starch as substrate. Amylolytic enzyme hydrolyzes the starch to generate reducing sugar. The reducing sugar reduces the 3,5-dinitrosalicylic acid to generate red-brown substance. The color intensity, measured at 540 nm, is proportionate to the enzyme activity in the sample.

NCBI AND UNIPROT INFORMATION

NCBI GI #	403182326
NCBI GeneID	547931

NCBI Accession #	NP_001236247.1
NCBI GenBank Nucleotide #	NM_001249318.1
Molecular Weight	56,143 Da
NCBI Official Full Name	beta-amylase
NCBI Official Symbol	BMY1
NCBI Official Synonym Symbols	Gm-BamyDam; Gm-BamyKza
NCBI Protein Information	beta-amylase
UniProt Protein Name	Beta-amylase
UniProt Gene Name	BMY1
UniProt Entry Name	AMYB_SOYBN

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-amylase/261564>