

beta-Glucosidase (beta-GC) Assay Kit | beta-GC assay kit

beta-Glucosidase (beta-GC) Activity Assay Kit

CATALOG #
AAA179653

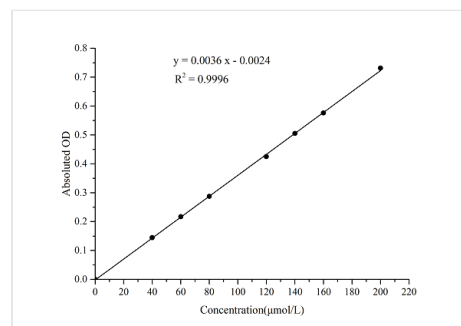
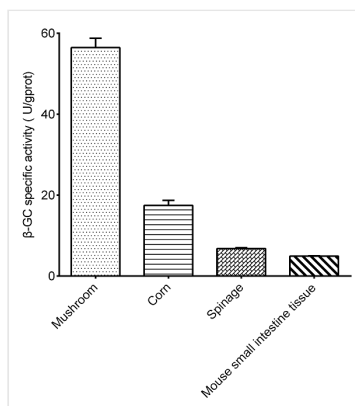
PRODUCT SYNONYMS

beta-Glucosidase (beta-GC); beta-Glucosidase (beta-GC) Activity Assay Kit; beta-GC assay kit

PRODUCT SPECIFICATIONS

Assay Type	Enzyme Activity
Samples	tissue, fungus
Detection Range	0.06-6.79 U/L
Sensitivity	0.06 U/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 2.0-9.7% Intra CV: 2.8-4.5%
Research Area	Glycolysis and Lipid Metabolism, Plant Physiology Series
Test Principle	beta-glucosidase (beta-GC), also known as beta-glucoside hydrolase, can efficiently hydrolyze the terminal non-reducing beta-D-glucoside bonds in various glycoside compounds, thereby releasing beta-D-glucose and corresponding ligands. The enzyme is widely present in nature, including the seeds of various plants, the small intestine and other organs of animals, and microorganisms. beta-GC is a very important industrial enzyme with various applications. In the field of medicine, beta-GC catalyzes the degradation of glycoside groups to inhibit the expansion of cancer cells. In terms of diet, beta-GC catalyzes the production of anti-cancer molecules isoflavones in soybean. In the energy field, beta-GC is one of the key enzymes in the conversion of cellulose to glucose. beta-GC catalyzed the reaction of substrate to produce chromogenic substances at the wavelength of 400 nm, the maximum absorption of beta-GC enzyme activity was reflected by measuring the OD value at 400 nm.
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Shipping: Ice bag

IMAGES



Application Data

Application Data

ADDITIONAL INFORMATION

Product Categories/Family for beta-GC assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism; Plant Physiology Series
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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/assay-kits/beta-glucosidase-beta-gc/179653>