

alpha-glucosidase (alpha-GC) Detection Kit | alpha-GC detection kit

Micro alpha-glucosidase(alpha-GC) Activity Assay Kit

CATALOG #
AAA332630

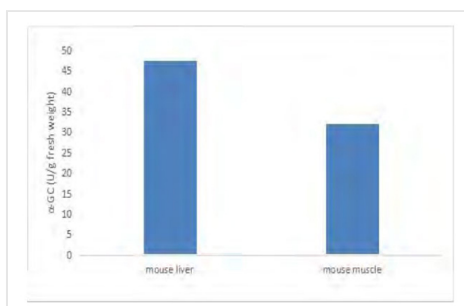
PRODUCT SYNONYMS

alpha-glucosidase (alpha-GC); Micro alpha-glucosidase(alpha-GC) Activity Assay Kit; alpha-GC detection kit

PRODUCT SPECIFICATIONS

Samples	Animal and Plant Tissues, Cells, Serum (Plasma)
Features & Benefits	Determines alpha-glucosidase activity in animal and plant tissues, cells, and serum (plasma). Detailed methods for sample preparation and calculation of results are provided.
Usage Notes	96 Well Clear Flat Bottom UV-Transparent Microplate is needed. Do not mix or substitute reagents or materials from other kit lots or vendors. The sample preparation must be done on ice to prevent the enzyme inactivation, and the enzyme activity should be determined on the same day. avoid repeated freeze-thaw. Ensure all reagents and equipment are at the appropriate temperature before starting the assay. The alpha-Glucosidase Activity Assay Kit (micro assay) provides a simple method for the detection of glycogen synthase activity in biological samples such as plant and animal tissues, cells and serum (plasma). In the assay, p-nitrophenol, which is present in the sample, has a maximum absorption peak at 400 nm, and alpha-GC activity is calculated by determining the rate of increase in absorbance value.
Preparation and Storage	Storage at -20 degree C and Keep from light immediately upon receipt. Kit has a storage time of 6 months from receipt. Refer to list of materials supplied for storage conditions of individual components.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha-GC detection kit	Principle of the Assay: alpha-Glucosidase (3.2.1.20, EC) widely exists in animals, plants, microorganisms and cultured cells. It catalyzes the hydrolysis of alpha-glucosidic bonds between aryl or hydrocarbyl groups and glycosyl groups to produce glucose, which is not only related to the relaxation or reinforcement of cell walls, but also closely related to cell recognition and the production of some signal molecules. alpha-GC decomposes p-nitrobenzene-alpha-D-glucopyranoside to generate p-nitrophenol, which has the maximum absorption peak at 400 nm. alpha-GC activity is calculated by measuring the rising rate of absorbance value.
Product Categories/Family for alpha-GC detection kit	Cell metabolism detection kit ; Cell analysis

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/detection-kits/alpha-glucosidase-alpha-gc/332630>