

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

alpha-Glucosidase (alpha-GC) Activity Assay Kit

CATALOG #
AAA179652

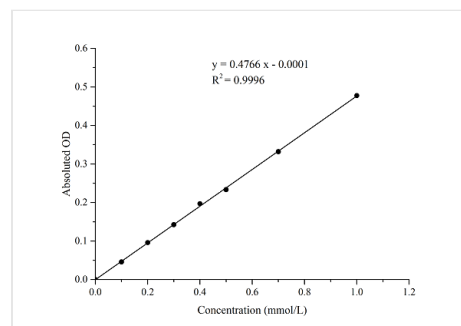
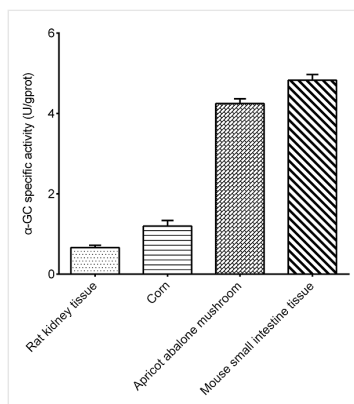
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Assay Type	Enzyme Activity
Samples	tissue, fungus
Detection Range	0.35-33.43 U/L
Sensitivity	0.35 U/L
Detection Type	Colorimetric method
Detection Instrument	Microplate reader
Precision	Inter CV: 4.2-6.6% Intra CV: 4.4-5.7%
Research Area	Glycolysis and Lipid Metabolism
Test Principle	alpha-Glucosidase (alpha-GC), also known as alpha-D-glucoside hydrolase, is widely distributed in nature, with a wide variety of species and different properties, and exists in almost all organisms. It has important physiological functions in carbohydrate metabolism in animals, plants and microorganisms. If alpha-GC is deficient, it leads to severe glycogen metabolism disorders and excessive glycogen accumulation, which can cause Pompe's disease (an autosomal recessive inherited glycogen storage disease, also known as glycogenosis type II). Long-term low alpha-GC activity in human tissues can cause muscle fiber destruction and muscle atrophy. The detection principle of this kit is that the chromogenic substance generated by the substrate reaction catalyzed by alpha-glucosidase has the maximum absorption at 400 nm, and the enzyme activity of alpha-GC can be reflected by measuring its 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

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ADDITIONAL INFORMATION

Product Categories/Family for alpha-GC assay kit	Cell Metabolism Assays; Glycolysis and Lipid Metabolism
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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/alpha-glucosidase-alpha-gc/179652>