

General alpha-L-Fucosidase Assay Kit

alpha-L-Fucosidase Microplate Assay Kit

CATALOG # AAA264741	REACTIVITY General	APPLICATIONS Functional Assay
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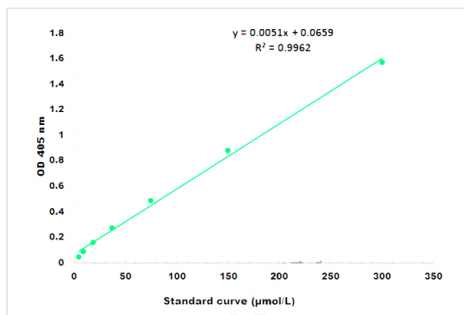
PRODUCT SYNONYMS

alpha-L-Fucosidase; alpha-L-Fucosidase Microplate Assay Kit; EC 3.2.1.51; alpha-L-Fucosidase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	441
Samples	Serum, Plasma, Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	3 umol/L - 300 umol/L
Applicable Applications for alpha-L-Fucosidase assay kit	FA (Functional Assay)
CAS Number	9037-65-4
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha-L-Fucosidase assay kit

Background: alpha-L-Fucosidase (AFU) is an enzyme coded by the FUCA1 gene in humans and catalyzes the breakdown of L-Fucose. A genetic deficiency in this enzyme results in a neurovisceral storage disease, fucosidosis, which is characterized by the accumulation of fucose. Low serum activity of fucosidase has also been linked to ovarian carcinoma. Elevated fucosidase serum activity has been observed in patients with diabetes, hyperthyroidism, cirrhosis, and hepatitis. Increased activity has been associated with lung, breast, stomach, ovary, uterus, and liver carcinomas. alpha-L-Fucosidase Microplate Assay Kit is based on the cleavage of 4-nitrophenol from the synthetic substrate. Nitrophenol becomes intensely colored after addition of the stop reagent. The increase in absorbance at 405 nm after addition of the stop reagent is directly proportional to the enzyme activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297548338
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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/general-assay-kits/alpha-l-fucosidase/264741>