

General Alpha-Amylase Assay Kit | AMY2A assay kit

Alpha-Amylase Microplate Assay Kit

CATALOG # AAA261576	REACTIVITY General	APPLICATIONS Functional Assay
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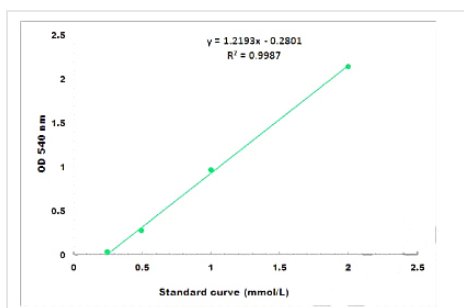
PRODUCT SYNONYMS

Alpha-Amylase; Alpha-Amylase Microplate Assay Kit; EC 3.2.1.1; Alpha-amylase; Glycogenase; A-Amylase; AMY2A assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	511
Samples	Tissue extracts, Cell lysate Samples
Detection Range	0.2 mmol/L - 2 mmol/L
Applicable Applications for AMY2A 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 AMY2A 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. The alpha-amylases cleave at random locations on the starch chain, ultimately yielding maltotriose and maltose, glucose and "limit dextrin" from amylose and amylopectin. In mammals, alpha-amylase is a major digestive enzyme. Increased enzyme levels in humans are associated with salivary trauma, mumps due to inflammation of the salivary glands, pancreatitis and renal failure. 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 #	178567
NCBI GeneID	279

Molecular Weight	30,302 Da
NCBI Official Full Name	alpha-amylase
NCBI Official Synonym Full Names	amylase, alpha 2A (pancreatic)
NCBI Official Symbol	AMY2A
NCBI Official Synonym Symbols	PA; AMY2
NCBI Protein Information	pancreatic alpha-amylase
UniProt Protein Name	Pancreatic alpha-amylase
UniProt Gene Name	AMY2A
UniProt Synonym Gene Names	PA
UniProt Entry Name	AMYP_HUMAN

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://www.aaabiotech.com/general-assay-kits/alpha-amylase/261576>