

Mouse pancreatic alpha amylase (AMY2A) ELISA Kit | AMY2A elisa kit

Mouse pancreatic alpha amylase, AMY2A ELISA Kit

CATALOG #
AAA80949

REACTIVITY
Mouse

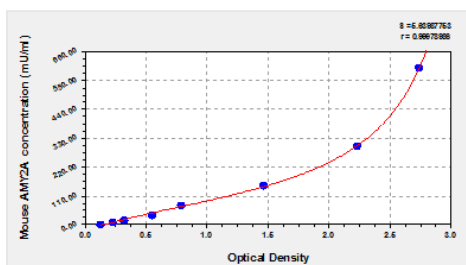
PRODUCT SYNONYMS

pancreatic alpha amylase (AMY2A); Mouse pancreatic alpha amylase; AMY2A ELISA Kit; Mouse pancreatic alpha amylase (AMY2A) ELISA kit; AMY2; AMY2B; PA; 1; 4-alpha-D-glucan glucanohydrolase; alpha-amylase; amylase; pancreatic; alpha-2A; found in the pancreas; glycogenase; pancreatic amylase 2A; pancreatic amylase alpha 2A; AMY2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse AMY2A. No significant cross-reactivity or interference between mouse AMY2A and analogues was observed.
Sequence Length	511
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Sandwich
Detection Range	9.38 mU/ml -600 mU/ml.
Sensitivity	The minimum detectable dose of mouse AMY2A is typically less than 2.3 mU/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMY2A elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AMY2A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AMY2A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AMY2A is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AMY2A bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502085
NCBI GeneID	279
NCBI Accession #	NP_000690.1
NCBI GenBank Nucleotide #	NM_000699.2
UniProt Accession #	P04746; Q9UBH3; B9EJG1
Molecular Weight	57,707 Da
NCBI Official Full Name	pancreatic alpha-amylase
NCBI Official Synonym Full Names	amylase, alpha 2A (pancreatic)
NCBI Official Symbol	AMY2A
NCBI Official Synonym Symbols	PA; AMY2; AMY2B
NCBI Protein Information	pancreatic alpha-amylase; glycogenase; found in the pancreas; pancreatic amylase 2A; pancreatic amylase alpha 2A; amylase, pancreatic, alpha-2A; 1,4-alpha-D-glucan glucanohydrolase
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.