Human amylase, alpha 2A (pancreatic) ELISA Kit | AMY2A elisa kit

Human Pancreatic Amylase, PAMY ELISA Kit

CATALOG #	REACTIVITY
AAA79776	**Human**

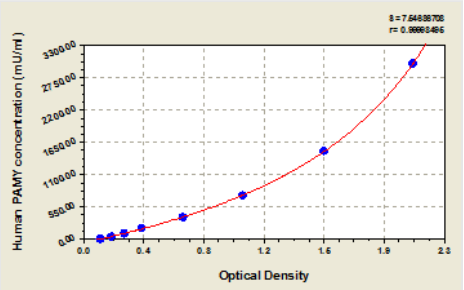
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human AMY2A. No significant cross-reactivity or interference between Human AMY2A and analogues was observed.
Sequence Length	511
Samples	Serum, plasma, tissue homogenates
Detection Range	46.88 mU/ml-3000 mU/ml
Sensitivity	11.7 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	glyconeogenesis and glycometabolism
Protein Biological Process 3	Carbohydrate metabolism
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:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to PAMY. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for PAMY and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain PAMY, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PAMY in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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.

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Online datasheet: https://www.aaabiotech.com/amy2a-human-elisa-kits/amylase-alpha-2a-pancreatic/79776