

Human Amylase Alpha 2, Pancreatic (AMY2) ELISA Kit | AMY2 elisa kit

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CATALOG #
AAA68479

REACTIVITY
Human

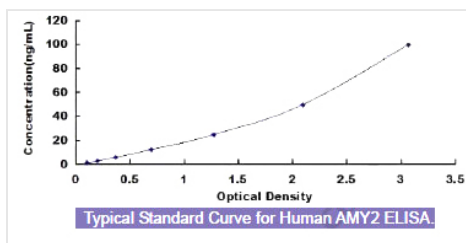
PRODUCT SYNONYMS

Amylase Alpha 2; Pancreatic (AMY2); Human Amylase Alpha 2; Pancreatic (AMY2) ELISA Kit; AMY2A; AMY2B; PA; 1; 4-alpha-D-glucan glucanohydrolase; AMY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AMY2. No significant cross-reactivity or interference between AMY2 and analogues was observed.
Sequence Length	511
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	<0.64ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AMY2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AMY2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMY2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AMY2 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AMY2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AMY2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AMY2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AMY2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502085
NCBI GeneID	279
NCBI Accession #	NP_000690.1
NCBI GenBank Nucleotide #	NM_000699.3
UniProt Accession #	P04746; Q9UBH3; B9EJG1
Molecular Weight	30,302 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
NCBI Protein Information	pancreatic alpha-amylase
UniProt Protein Name	Pancreatic alpha-amylase
UniProt Gene Name	AMY2A
UniProt Synonym Gene Names	PA

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/human-elisa-kits/amylase-alpha-2-pancreatic-amy2/68479>