

Human Amylase Alpha 1, Salivary (AMY1) RTU ELISA Kit | AMY1 rtu elisa kit

Human Amylase Alpha 1, Salivary (AMY1) ELISA Kit

CATALOG #
AAA69051

REACTIVITY
Human

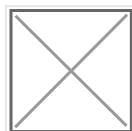
PRODUCT SYNONYMS

Amylase Alpha 1; Salivary (AMY1); Human Amylase Alpha 1; Salivary (AMY1) ELISA Kit; AMY1A; AMY1B; AMY1C; Ptyalin; 1; 4-alpha-D-glucan glucanohydrolase 1; AMY1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AMY1. No significant cross-reactivity or interference between AMY1 and analogues was observed.
Sequence Length	511
Samples	Serum, plasma, saliva or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12-200ng/mL
Sensitivity	< 1.32ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AMY1 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 AMY1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMY1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AMY1 in human serum, plasma, saliva or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AMY1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AMY1. 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 AMY1, 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 AMY1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	56549662
NCBI GeneID	277
NCBI Accession #	NP_001008219.1
NCBI GenBank Nucleotide #	NM_001008218.1
UniProt Accession #	P04745; Q13763; Q5T083; A6NJS5; A8K8H6
Molecular Weight	57,768 Da
NCBI Official Full Name	alpha-amylase 1
NCBI Official Synonym Full Names	amylase, alpha 1B (salivary)
NCBI Official Symbol	AMY1B
NCBI Official Synonym Symbols	AMY1
NCBI Protein Information	alpha-amylase 1
UniProt Protein Name	Alpha-amylase 1
UniProt Gene Name	AMY1A
UniProt Synonym Gene Names	AMY1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/amylase-alpha-1-salivary-amy1/69051>