

Human alpha-amylase ELISA Kit | AMY1 elisa kit

Human alpha-amylase, AMY1 ELISA Kit

CATALOG #
AAA15378

REACTIVITY
Human

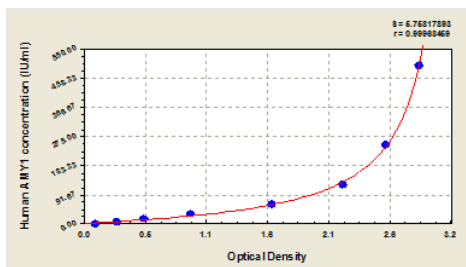
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human AMY1. No significant cross-reactivity or interference between human AMY1 and analogues was observed.
Sequence Length	511
Assay Type	Quantitative Sandwich
Samples	Serum, saliva, tissue homogenates
Detection Range	7.8 IU/ml-500 IU/ml
Sensitivity	< 1.95 IU/ml
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 AMY1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AMY1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AMY1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AMY1 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 AMY1 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 #	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; glycogenase; salivary alpha-amylase; salivary amylase alpha 1B; amylase, salivary, alpha-1B; 1,4-alpha-D-glucan glucanohydrolase 1
UniProt Protein Name	Alpha-amylase 1
UniProt Gene Name	AMY1A
UniProt Synonym Gene Names	AMY1 AMY1B; AMY1 AMY1C; AMY1
UniProt Entry Name	AMY1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/amy1-human-elisa-kits/alpha-amylase/15378>