

Human alpha-Amylase ELISA Kit | AMS/AMY elisa kit

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CATALOG #
AAA84326

REACTIVITY
Human

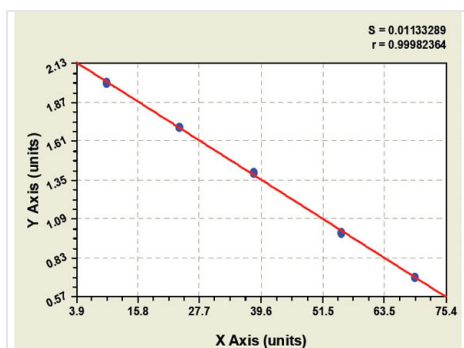
PRODUCT SYNONYMS

alpha-Amylase; Human alpha-Amylase ELISA Kit; a-Amylase; alpha-Amylase (Human); AMS/AMY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This aAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human aAM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMS/AMY elisa kit

Principle of the Assay: aAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-aAM antibody and an aAM-HRP conjugate. The assay sample and buffer are incubated together with aAM-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the aAM concentration since aAM from samples and aAM-HRP conjugate compete for the anti-aAM antibody binding site. Since the number of sites is limited, as more sites are occupied by aAM from the sample, fewer sites are left to bind aAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The aAM concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AMS/AMY elisa kit

[Human ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16131442
NCBI GeneID	948088
NCBI Accession #	NP_418028.1
NCBI GenBank Nucleotide #	NC_000913.2
UniProt Accession #	P25718; Q2M7N4
Molecular Weight	75,713 Da
NCBI Official Full Name	alpha-amylase
NCBI Official Symbol	malS
NCBI Official Synonym Symbols	ECK3560; JW3543
NCBI Protein Information	alpha-amylase
UniProt Protein Name	Alpha-amylase
UniProt Gene Name	malS
UniProt Entry Name	AMY1_ECOLI

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/ams-amy-human-elisa-kits/alpha-amylase/84326>