

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

Rat alpha-Amylase ELISA Kit

CATALOG #
AAA86464

REACTIVITY
Rat

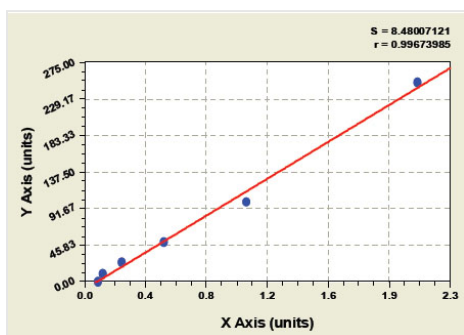
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	1.0 IU/ml
Intended Uses	This AMY ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AMY. 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: AMY ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AMY. Standards or samples are then added to the microtiter plate wells and AMY if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AMY present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for AMY are added to each well to "sandwich" the AMY immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AMY and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMY concentration in each sample is interpolated from this standard curve.

Product Categories/Family for
AMS/AMY elisa kit

Rat 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ams-amy-rat-elisa-kits/alpha-amylase/86464>