

Rat Amylase, Alpha 2A (AMY2A) ELISA Kit | AMY2A elisa kit

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CATALOG #
AAA188160

REACTIVITY
Rat

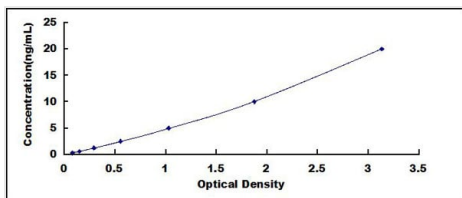
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Amylase, Alpha 2A (AMY2A). No significant cross-reactivity or interference between Amylase, Alpha 2A (AMY2A) and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, saliva, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.114ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Amylase, Alpha 2A (AMY2A) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Amylase, Alpha 2A (AMY2A) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMY2A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Amylase, Alpha 2A (AMY2A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Amylase, Alpha 2A (AMY2A). 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 Amylase, Alpha 2A (AMY2A), 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 Amylase, Alpha 2A (AMY2A) 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

UniProt Accession #	G3V844
UniProt Protein Name	Alpha-amylase
UniProt Gene Name	Amy2a3

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/rat-elisa-kits/amylase-alpha-2a-amy2a/188160>