

## Rat Amylase Alpha 2, Pancreatic (AMY2) ELISA Kit | AMY2 elisa kit

Rat Amylase Alpha 2, Pancreatic (AMY2) ELISA Kit

|                              |                          |
|------------------------------|--------------------------|
| CATALOG #<br><b>AAA68480</b> | REACTIVITY<br><b>Rat</b> |
|------------------------------|--------------------------|

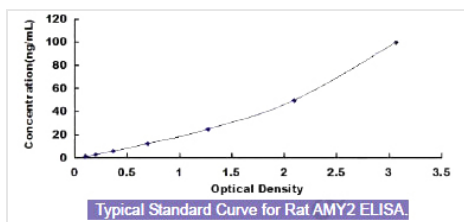
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Rat                                                                                                                                                                                                      |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of AMY2. No significant cross-reactivity or interference between AMY2 and analogues was observed.                                |
| Sequence Length       | 508                                                                                                                                                                                                      |
| Samples               | Serum, plasma, tissue homogenates or other biological fluids                                                                                                                                             |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                    |
| Detection Range       | 1.56-100ng/mL                                                                                                                                                                                            |
| Sensitivity           | <0.57ng/mL.                                                                                                                                                                                              |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AMY2 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 AMY2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for AMY2 elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AMY2 in rat serum, plasma, tissue homogenates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AMY2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AMY2. 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 AMY2, 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 AMY2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 13928684                 |
| NCBI GeneID                      | 497039                   |
| NCBI Accession #                 | NP_113690.1              |
| NCBI GenBank Nucleotide #        | NM_031502.1              |
| UniProt Accession #              | P00689                   |
| Molecular Weight                 | 57,177 Da                |
| NCBI Official Full Name          | pancreatic alpha-amylase |
| NCBI Official Synonym Full Names | amylase 2a3              |
| NCBI Official Symbol             | Amy2a3                   |
| NCBI Official Synonym Symbols    | Amy2                     |
| NCBI Protein Information         | pancreatic alpha-amylase |
| UniProt Protein Name             | Pancreatic alpha-amylase |
| UniProt Gene Name                | Amy2                     |
| UniProt Synonym Gene Names       | PA                       |

**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.