

## Mouse alpha-Glucosidase ELISA Kit | A-Glu elisa kit

Mouse alpha-Glucosidase ELISA Kit

CATALOG #  
**AAA87421**

REACTIVITY  
**Mouse**

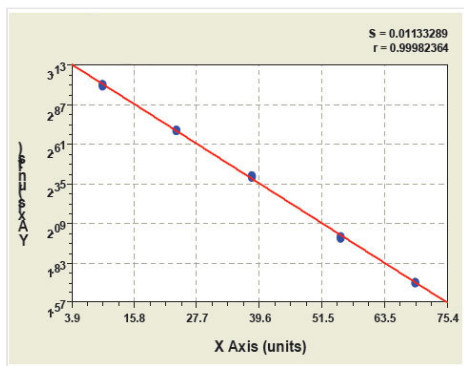
### PRODUCT SYNONYMS

alpha-Glucosidase; Mouse alpha-Glucosidase ELISA Kit; Mouse a-Glucosidase ELISA Kit; A-Glu elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                               |
| Assay Type              | Competitive                                                                                                                                                                              |
| Detection Range         | 50-1000ng/mL                                                                                                                                                                             |
| Sensitivity             | 1.0ng/mL                                                                                                                                                                                 |
| Intended Uses           | This A-GLU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse A-GLU. 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 A-Glu elisa kit

**Principle of the Assay:** A-GLU ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-A-GLU antibody and an A-GLU-HRP conjugate. The assay sample and buffer are incubated together with A-GLU-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 A-GLU concentration since A-GLU from samples and A-GLU-HRP conjugate compete for the anti-A-GLU antibody binding site. Since the number of sites is limited, as more sites are occupied by A-GLU from the sample, fewer sites are left to bind A-GLU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The A-GLU concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                           |                                |
|---------------------------|--------------------------------|
| NCBI GI #                 | 108805378                      |
| NCBI Accession #          | YP_645315.1                    |
| NCBI GenBank Nucleotide # | NC_008148.1                    |
| Molecular Weight          | 82,304 Da                      |
| NCBI Official Full Name   | alpha-glucosidase              |
| UniProt Protein Name      | Glycoside hydrolase, family 31 |
| UniProt Entry Name        | Q1ASX5_RUBXD                   |

**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://www.aaabiotech.com/a-glu-mouse-elisa-kits/alpha-glucosidase/87421>