

## Rat Lysosomal alpha-glucosidase ELISA Kit | Gaa elisa kit

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CATALOG #  
**AAA101159**

REACTIVITY  
**Rat**

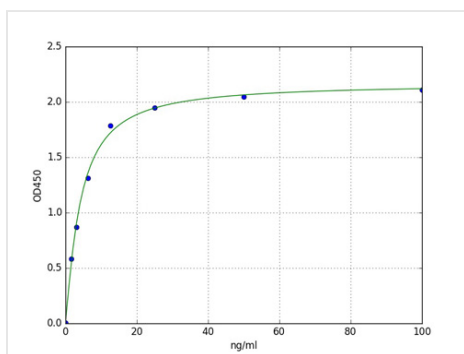
### PRODUCT SYNONYMS

Lysosomal alpha-glucosidase; Rat Lysosomal alpha-glucosidase ELISA Kit; Gaa/Acid alpha-Glucosidase/Acid Maltase/GAA/LYAG/Acid maltase/Aglucosidase alfa/EC 3.2.1.20/glucosidase; alpha/acid/LYAG/lysosomal alpha-glucosidase; Gaa elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                          |
| Sequence Length         | 952                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 1.563-100ng/ml                                                                                                                                               |
| Sensitivity             | 0.938ng/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

**Typical Data & Standard Curve**  
Results of a typical standard run of a Rat Gaa ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | ng/ml | 0     | 1.563 | 3.125 | 6.25  | 12.5  | 25    | 50    | 100   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 0.004 | 0.479 | 0.905 | 1.800 | 1.831 | 2.185 | 1.507 | 2.201 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Gaa elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Gaa antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Gaa antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Gaa amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Gaa can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| NCBI GI #                        | 119393895                                 |
| NCBI GeneID                      | 2548                                      |
| NCBI Accession #                 | NP_001073272.1                            |
| NCBI GenBank Nucleotide #        | NM_001079804.2                            |
| Molecular Weight                 | 105,324 Da                                |
| NCBI Official Full Name          | lysosomal alpha-glucosidase preproprotein |
| NCBI Official Synonym Full Names | glucosidase, alpha; acid                  |
| NCBI Official Symbol             | GAA                                       |
| NCBI Official Synonym Symbols    | LYAG                                      |
| NCBI Protein Information         | lysosomal alpha-glucosidase               |
| UniProt Protein Name             | Lysosomal alpha-glucosidase               |
| UniProt Gene Name                | GAA                                       |
| UniProt Entry Name               | LYAG_HUMAN                                |

**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/gaa-rat-elisa-kits/lysosomal-alpha-glucosidase/101159>