

## Rat Glutathione ELISA Kit | GT elisa kit

Rat Glutathione ELISA Kit

CATALOG #  
**AAA87429**

REACTIVITY  
**Rat**

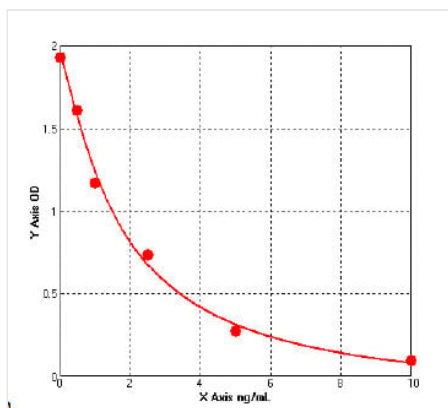
### PRODUCT SYNONYMS

Glutathione; Rat Glutathione ELISA Kit; GT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of GLU. No significant cross-reactivity or interference between GLU and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLU and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 0.1 mmol/L                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GT elisa kit | <p>Intended Uses: This GLU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GLU. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: GLU ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GLU antibody and an GLU-HRP conjugate. The assay sample and buffer are incubated together with 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 GLU concentration since GLU from samples and GLU-HRP conjugate compete for the anti-GLU antibody binding site. Since the number of sites is limited, as more sites are occupied by GLU from the sample, fewer sites are left to bind GLU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLU concentration in each sample is interpolated from this standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

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|---------------------------|------------------------|
| NCBI GI #                 | 333992219              |
| NCBI GeneID               | 10685612               |
| NCBI Accession #          | YP_004524833.1         |
| NCBI GenBank Nucleotide # | NC_015576.1            |
| Molecular Weight          | 17,237 Da              |
| NCBI Official Full Name   | glutathione            |
| NCBI Official Symbol      | JDM601_3579            |
| NCBI Protein Information  | glutathione            |
| UniProt Protein Name      | Glutathione peroxidase |
| UniProt Entry Name        | F5Z1C3_MYCSD           |

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/gt-rat-elisa-kits/glutathione/87429>