

## Rat Glutathione S-transferase alpha-4 ELISA Kit | Gsta4 elisa kit

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CATALOG #  
**AAA56107**

REACTIVITY  
**Rat**

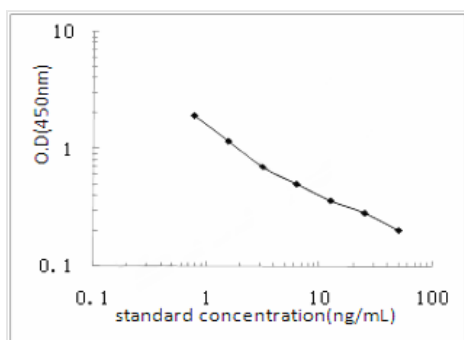
### PRODUCT SYNONYMS

Glutathione S-transferase alpha-4; Rat Glutathione S-transferase alpha-4 ELISA Kit; Gsta4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                |
| Specificity             | This assay recognizes recombinant and natural Rat Glutathione S-transferase alpha-4. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 222                                                                                                                                                |
| Assay Type              | Competitive                                                                                                                                        |
| Detection Range         | 0.78-50 ng/mL                                                                                                                                      |
| Sensitivity             | 0.442 ng/mL                                                                                                                                        |
| Intra-Assay CV          | <=7.3%                                                                                                                                             |
| Inter-Assay CV          | <=10.8%                                                                                                                                            |
| Recovery                | 99%                                                                                                                                                |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Gsta4 elisa kit | Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glutathione S-transferase alpha-4, During the reaction, Glutathione S-transferase alpha-4 in the sample or standard competes with a fixed amount of biotin-labeled Glutathione S-transferase alpha-4 for sites on a pre-coated Monoclonal antibody specific to Glutathione S-transferase alpha-4. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Glutathione S-transferase alpha-4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| NCBI GI #                        | 157820217                         |
| NCBI GeneID                      | 300850                            |
| NCBI Accession #                 | NP_001100310.1                    |
| NCBI GenBank Nucleotide #        | NM_001106840.1                    |
| UniProt Accession #              | P14942                            |
| Molecular Weight                 | 25,510 Da                         |
| NCBI Official Full Name          | glutathione S-transferase alpha-4 |
| NCBI Official Synonym Full Names | glutathione S-transferase alpha 4 |
| NCBI Official Symbol             | Gsta4                             |
| NCBI Protein Information         | glutathione S-transferase alpha-4 |
| UniProt Protein Name             | Glutathione S-transferase alpha-4 |
| UniProt Gene Name                | Gsta4                             |
| UniProt Synonym Gene Names       | GST Yk                            |
| UniProt Entry Name               | GSTA4_RAT                         |

**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/gsta4-rat-elisa-kits/glutathione-s-transferase-alpha-4/56107>