

## Chicken Glutathione S Transferase Omega 1 ELISA Kit | GSTo1 elisa kit

Chicken Glutathione S Transferase Omega 1 ELISA Kit

|                              |                              |
|------------------------------|------------------------------|
| CATALOG #<br><b>AAA88522</b> | REACTIVITY<br><b>Chicken</b> |
|------------------------------|------------------------------|

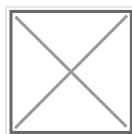
### PRODUCT SYNONYMS

Glutathione S Transferase Omega 1; Chicken Glutathione S Transferase Omega 1 ELISA Kit; GSTo1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 pg/mL                                                                  |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GSTo1 elisa kit | <p>Intended Uses: This GSTomega1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken GSTomega1.</p> <p>Principle of the Assay: GSTomega1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GSTomega1 antibody and an GSTomega1-HRP conjugate. The assay sample and buffer are incubated together with GSTomega1-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 GSTomega1 concentration since GSTomega1 from samples and GSTomega1-HRP conjugate compete for the anti-GSTomega1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GSTomega1 from the sample, fewer sites are left to bind GSTomega1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSTomega1 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for GSTo1 elisa kit   | Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### NCBI AND UNIPROT INFORMATION

|             |           |
|-------------|-----------|
| NCBI GI #   | 300360534 |
| NCBI GeneID | 9446      |

|                                  |                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_001177932.1</a>                                                                                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001191003.1</a>                                                                                                                                                                                                                          |
| UniProt Accession #              | <a href="#">P78417</a> ; <a href="#">Q5TA03</a> ; <a href="#">Q7Z3T2</a> ; <a href="#">Q5TA01</a> ; <a href="#">Q5TA02</a>                                                                                                                              |
| Molecular Weight                 | 27,566 Da                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | glutathione S-transferase omega-1 isoform 3                                                                                                                                                                                                             |
| NCBI Official Synonym Full Names | glutathione S-transferase omega 1                                                                                                                                                                                                                       |
| NCBI Official Symbol             | GSTO1                                                                                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | P28; SPG-R; GSTO 1-1; GSTTLp28                                                                                                                                                                                                                          |
| NCBI Protein Information         | glutathione S-transferase omega-1; GSTO-1; MMA(V) reductase; glutathione-S-transferase like; monomethylarsonic acid reductase; S-(Phenacyl)glutathione reductase; glutathione S-transferase omega 1-1; glutathione-dependent dehydroascorbate reductase |
| UniProt Protein Name             | Glutathione S-transferase omega-1                                                                                                                                                                                                                       |
| UniProt Gene Name                | <b>GSTO1</b>                                                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | GSTTLp28; GSTO-1; GSTO 1-1; MMA(V) reductase; SPG-R                                                                                                                                                                                                     |
| UniProt Entry Name               | GSTO1_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.

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/gsto1-chicken-elisa-kits/glutathione-s-transferase-omega-1/88522>