

## Bovine Glutathione Reductase ELISA Kit | GR elisa kit

Bovine Glutathione Reductase ELISA Kit

|                              |                             |
|------------------------------|-----------------------------|
| CATALOG #<br><b>AAA33307</b> | REACTIVITY<br><b>Bovine</b> |
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### PRODUCT SYNONYMS

Glutathione Reductase; Bovine Glutathione Reductase ELISA Kit; GR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Reactivity              | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity             | No significant cross-reactivity or interference between Bovine GR and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Samples                 | Serum, Plasma, Tissue Homogenate, Feces and Urine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Detection Range         | 6.25 U/L - 200 U/L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity             | 1.0 U/L.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Intended Uses           | This Quantitative Sandwich ELISA kit is only for in vitro research use only, not for drug, household, therapeutic applications! It is intended to be determinated GR concentrations in Bovine serum, plasma and other body fluids. Using Purified Bovine GR antibody to coat Microelisa Stripplate wells to make solid-phase antibody, then add GR and GR antibody which has been labeled with HRP to wells, then the reactants become antibody-antigen-antibody-enzyme complex, after washing completely, add TMB substrate solution, TMB substrate becomes blue color under HRP enzyme-catalyzed, reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of GR in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| Intra-assay Precision   | Intra-assay CV (%) is less than 15%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Inter-assay Precision   | Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### ADDITIONAL INFORMATION

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| Related Product Information for GR elisa kit | <b>Background:</b> This Quantitative Sandwich ELISA kit is only for in vitro research use only! It is intended to be determinated GR concentrations in Bovine serum, plasma and other body fluids. Using Purified Bovine GR antibody to coat Microelisa Stripplate wells to make solid-phase antibody, then add GR and GR antibody which has been labeled with HRP to wells, then the reactants become antibody-antigen-antibody-enzyme complex, after washing completely, add TMB substrate solution, TMB substrate becomes blue color under HRP enzyme-catalyzed, reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of GR in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">15232559</a>    |
| NCBI GeneID               | <a href="#">824631</a>      |
| NCBI Accession #          | <a href="#">NP_191026.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_115323.3</a> |

|                               |                                           |
|-------------------------------|-------------------------------------------|
| UniProt Accession #           | <a href="#">Q5FV38</a>                    |
| Molecular Weight              | 60,852 Da                                 |
| NCBI Official Full Name       | glutathione reductase                     |
| NCBI Official Symbol          | GR                                        |
| NCBI Official Synonym Symbols | ATGR2; EMB2360; glutathione reductase; GR |
| NCBI Protein Information      | glutathione reductase                     |
| UniProt Protein Name          | At3g54660                                 |
| UniProt Entry Name            | Q5FV38_ARATH                              |

**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/gr-bovine-ovine-elisa-kits/glutathione-reductase/33307>