

## Rat Glucocorticoid Receptor Alpha (GRa) ELISA Kit | GRa elisa kit

Rat Glucocorticoid Receptor Alpha (GRa)(Sandwich ELISA) ELISA Kit

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| CATALOG #<br><b>AAA150866</b> | REACTIVITY<br><b>Rat</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|--------------------------|------------------------------|

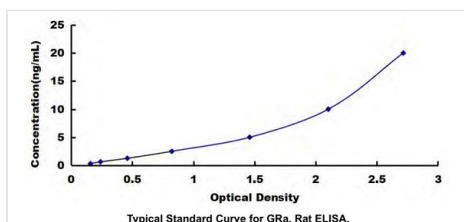
### PRODUCT SYNONYMS

Glucocorticoid Receptor Alpha (GRa); Rat Glucocorticoid Receptor Alpha (GRa)(Sandwich ELISA) ELISA Kit; ELISA Kit for Glucocorticoid Receptor Alpha (GRa); GRa/Glucocorticoid Receptor Alpha; GR-A; GRa elisa kit

### PRODUCT SPECIFICATIONS

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                               | This assay has high sensitivity and excellent specificity for detection of GRa. No significant cross-reactivity or interference between GRa and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                    |
| Assay Type                                | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Samples                                   | Rat tissue homogenates, cell lysates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Detection Range                           | 0.312-20ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                               | < 0.118ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for GRa elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Intra-assay Precision                     | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GRa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                                                                                                      |
| Inter-assay Precision                     | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GRa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                   | Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life)<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GRa elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GRa. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GRa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GRa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GRa in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GRa in rat tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for GRa elisa kit   | Bone metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**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/rat-elisa-kits/glucocorticoid-receptor-alpha-gra/150866>