

## Rat GDF1 ELISA Kit | GDF1 elisa kit

Rat GDF1 (Growth Differentiation Factor 1) ELISA Kit

CATALOG #  
**AAA165381**

REACTIVITY  
**Rat**

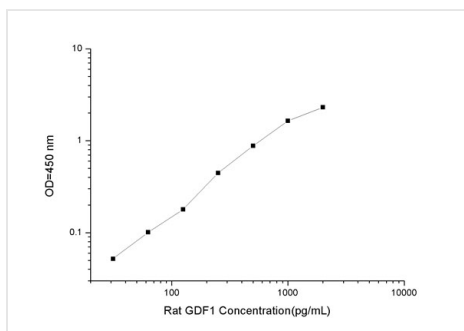
### PRODUCT SYNONYMS

GDF1; Rat GDF1 (Growth Differentiation Factor 1) ELISA Kit; GDF1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat GDF1. No significant cross-reactivity or interference between Rat GDF1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat GDF1 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 337                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                |
| Detection Range         | 31.25-2000pg/mL                                                                                                                                                                                                                                                                                                                                                                         |
| Sensitivity             | Min: 18.75pg/mL; Max: 2000pg/mL                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Related Product Information for GDF1 elisa kit | <p><b>Description:</b> The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GDF1 in Rat serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GDF1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat GDF1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat GDF1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GDF1. You can calculate the concentration of Rat GDF1 in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 18490663                                         |
| NCBI GeneID                      | 2657                                             |
| UniProt Accession #              | P27539; O43344                                   |
| Molecular Weight                 | 39,475 Da                                        |
| NCBI Official Full Name          | GDF1 protein                                     |
| NCBI Official Synonym Full Names | growth differentiation factor 1                  |
| NCBI Official Symbol             | GDF1                                             |
| NCBI Official Synonym Symbols    | RAI; DORV; DTGA3                                 |
| NCBI Protein Information         | embryonic growth/differentiation factor 1; GDF-1 |
| UniProt Protein Name             | Embryonic growth/differentiation factor 1        |
| UniProt Gene Name                | <b>GDF1</b>                                      |
| UniProt Synonym Gene Names       | GDF-1                                            |
| UniProt Entry Name               | GDF1_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.

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