

## Rat Growth Differentiation Factor 10 ELISA Kit | GDF10 elisa kit

Rat Growth Differentiation Factor 10 ELISA Kit

CATALOG #  
**AAA83228**

REACTIVITY  
**Rat**

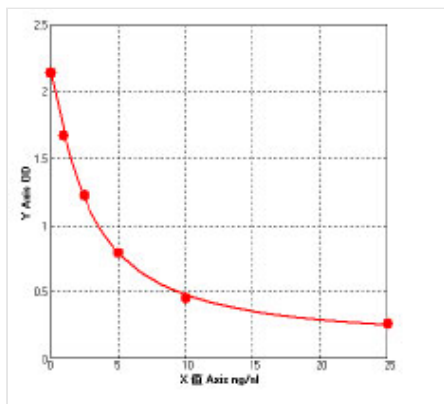
### PRODUCT SYNONYMS

Growth Differentiation Factor 10; Rat Growth Differentiation Factor 10 ELISA Kit; GDF10 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Sandwich                                                                   |
| Detection Range         | 250-5000pg/mL                                                              |
| Sensitivity             | 1.0pg/ml                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GDF10 elisa kit | <p>Intended Uses: This GDF-10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GDF-10. This ELISA kit for research use only!</p> <p>Principle of the Assay: GDF-10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GDF-10 antibody and an GDF-10-HRP conjugate. The assay sample and buffer are incubated together with GDF-10-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 GDF-10 concentration since GDF-10 from samples and GDF-10-HRP conjugate compete for the anti-GDF-10 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF-10 from the sample, fewer sites are left to bind GDF-10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF-10 concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for GDF10 elisa kit   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                      |               |
|----------------------|---------------|
| NCBI GI #            | 55666369      |
| UniProt Accession #  | Q8N6T2        |
| Molecular Weight     | 32,352 Da     |
| UniProt Protein Name | GDF10 protein |
| UniProt Entry Name   | Q8N6T2_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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Online datasheet: <https://www.aaabiotech.com/gdf10-rat-elisa-kits/growth-differentiation-factor-10/83228>