

## Goat Growth Differentiation Factor 2 ELISA Kit | GDF2 elisa kit

Goat Growth Differentiation Factor 2 ELISA Kit

CATALOG #  
**AAA93671**

REACTIVITY  
**Goat**

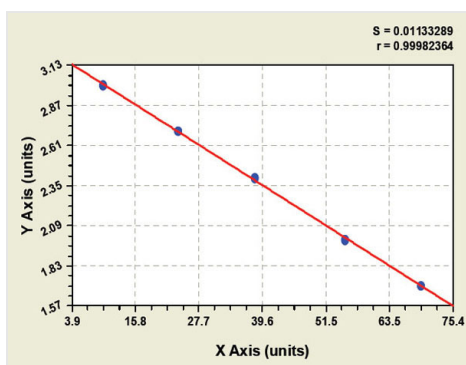
### PRODUCT SYNONYMS

Growth Differentiation Factor 2; Goat Growth Differentiation Factor 2 ELISA Kit; GDF2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Goat                                                                       |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | 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 GDF2 elisa kit

**Intended Uses:** This GDF2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat GDF2. This ELISA kit for research use only!

**Principle of the Assay:** GDF2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GDF2 antibody and an GDF2-HRP conjugate. The assay sample and buffer are incubated together with GDF2-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 GDF2 concentration since GDF2 from samples and GDF2-HRP conjugate compete for the anti-GDF2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GDF2 from the sample, fewer sites are left to bind GDF2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GDF2 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for GDF2 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 7705308                                                              |
| NCBI GeneID                      | 2658                                                                 |
| NCBI Accession #                 | NP_057288.1                                                          |
| NCBI GenBank Nucleotide #        | NM_016204.2                                                          |
| Molecular Weight                 | 47,320 Da                                                            |
| NCBI Official Full Name          | growth/differentiation factor 2 preproprotein                        |
| NCBI Official Synonym Full Names | growth differentiation factor 2                                      |
| NCBI Official Symbol             | GDF2                                                                 |
| NCBI Official Synonym Symbols    | BMP9; HHT5; BMP-9                                                    |
| NCBI Protein Information         | growth/differentiation factor 2; GDF-2; bone morphogenetic protein 9 |
| UniProt Protein Name             | Growth/differentiation factor 2                                      |
| UniProt Gene Name                | <b>GDF2</b>                                                          |
| UniProt Synonym Gene Names       | BMP9; GDF-2; BMP-9                                                   |
| UniProt Entry Name               | GDF2_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://stage.aaabiotech.com/gdf2-goat-elisa-kits/growth-differentiation-factor-2/93671>