

## Rat Fibroblast Growth Factor 23 (FGF23) ELISA Kit | FGF23 elisa kit

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CATALOG #  
AAA141220

REACTIVITY  
Rat

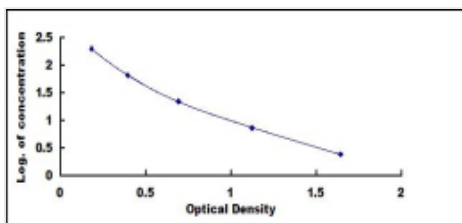
### PRODUCT SYNONYMS

Fibroblast Growth Factor 23 (FGF23); Rat Fibroblast Growth Factor 23 (FGF23) ELISA Kit; ADHR; HYPF; HPDR2; PHPTC; Phosphatonin; Tumor-derived hypophosphatemia-inducing factor; FGF23 elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 23 (FGF23). No significant cross-reactivity or interference between Fibroblast Growth Factor 23 (FGF23) and analogues was observed.                                                                                                                                                                                                                                                    |
| Sequence Length                                   | 251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                           | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                                   | 62.5-1,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity                                       | 21.6pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Enzyme-linked immunosorbent assay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Fibroblast Growth Factor 23 (FGF23) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                             |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Fibroblast Growth Factor 23 (FGF23) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                               |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | 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.<br>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 FGF23 elisa kit | This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Fibroblast Growth Factor 23 (FGF23) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Fibroblast Growth Factor 23 (FGF23) and unlabeled Fibroblast Growth Factor 23 (FGF23) (Standards or samples) with the pre-coated antibody specific to Fibroblast Growth Factor 23 (FGF23). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Fibroblast Growth Factor 23 (FGF23) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Fibroblast Growth Factor 23 (FGF23) in the sample. |
| Product Categories/Family for FGF23 elisa kit   | Cytokine; Tumor immunity; Infection immunity; Genetic science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 10190674                       |
| NCBI GeneID                      | 8074                           |
| NCBI Accession #                 | NP_065689.1                    |
| NCBI GenBank Nucleotide #        | NM_020638.2                    |
| Molecular Weight                 | 27,954 Da                      |
| NCBI Official Full Name          | fibroblast growth factor 23    |
| NCBI Official Synonym Full Names | fibroblast growth factor 23    |
| NCBI Official Symbol             | FGF23                          |
| NCBI Official Synonym Symbols    | ADHR; FGFN; HYPF; HPDR2; PHPTC |
| NCBI Protein Information         | fibroblast growth factor 23    |
| UniProt Protein Name             | Fibroblast growth factor 23    |
| UniProt Gene Name                | FGF23                          |
| UniProt Synonym Gene Names       | HYPF; FGF-23                   |
| UniProt Entry Name               | FGF23_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/fibroblast-growth-factor-23-fgf23/141220>