

## Human Fibroblast Growth Factor 18 (FGF18) CLIA Kit | FGF18 clia kit

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|                               |                            |                                                             |
|-------------------------------|----------------------------|-------------------------------------------------------------|
| CATALOG #<br><b>AAA150369</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>CLIA (Chemiluminescence Immunoassay)</b> |
|-------------------------------|----------------------------|-------------------------------------------------------------|

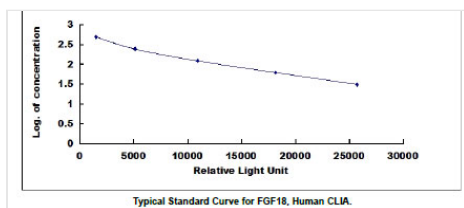
### PRODUCT SYNONYMS

Fibroblast Growth Factor 18 (FGF18); Human Fibroblast Growth Factor 18 (FGF18) CLIA Kit; ZFGF5; FGF18 clia kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                                | This assay has high sensitivity and excellent specificity for detection of FGF18. No significant cross-reactivity or interference between FGF18 and analogues was observed.                                                                                                                                                                                                                                                                                                                |
| Assay Type                                 | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                    | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                            | 31.2-500pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                                | 13.3pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for FGF18 clia kit | CLIA (Chemiluminescence Immunoassay)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Intra-assay Precision                      | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF18 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 FGF18 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 FGF18 clia kit | <p>Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of FGF18 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.</p> <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to FGF18. A competitive inhibition reaction is launched between biotin labeled FGF18 and unlabeled FGF18 (Standards or samples) with the pre-coated antibody specific to FGF18. 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 FGF18 in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the FGF18 level in the sample or standard.</p> |
| Product Categories/Family for FGF18 clia kit   | Cytokine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 4503695                     |
| NCBI GeneID                      | 8817                        |
| NCBI Accession #                 | NP_003853.1                 |
| NCBI GenBank Nucleotide #        | NM_003862.2                 |
| UniProt Accession #              | O76093; Q6UWF1; D3DQL7      |
| Molecular Weight                 | 23,989 Da                   |
| NCBI Official Full Name          | fibroblast growth factor 18 |
| NCBI Official Synonym Full Names | fibroblast growth factor 18 |
| NCBI Official Symbol             | FGF18                       |
| NCBI Official Synonym Symbols    | ZFGF5; FGF-18               |
| NCBI Protein Information         | fibroblast growth factor 18 |
| UniProt Protein Name             | Fibroblast growth factor 18 |
| UniProt Gene Name                | FGF18                       |
| UniProt Synonym Gene Names       | FGF-18                      |
| UniProt Entry Name               | FGF18_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://stage.aaabiotech.com/human-clia-kits/fibroblast-growth-factor-18-fgf18/150369>