

## Human Fibroblast Growth Factor 21 (FGF21) CLIA Kit | FGF21 clia kit

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|                               |                            |                                                             |
|-------------------------------|----------------------------|-------------------------------------------------------------|
| CATALOG #<br><b>AAA189094</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>CLIA (Chemiluminescence Immunoassay)</b> |
|-------------------------------|----------------------------|-------------------------------------------------------------|

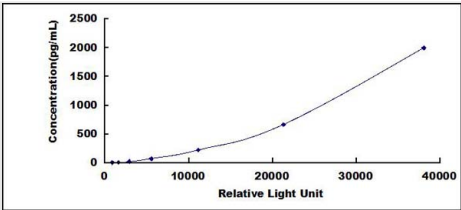
### PRODUCT SYNONYMS

Fibroblast Growth Factor 21 (FGF21); Human Fibroblast Growth Factor 21 (FGF21) CLIA Kit; Fibroblast Growth Factor 21; FGF21 clia kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                | This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 21 (FGF21). No significant cross-reactivity or interference between Fibroblast Growth Factor 21 (FGF21) and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                            | 209                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Assay Type                                 | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                    | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Detection Range                            | 2.74-2,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                                | The minimum detectable dose of this kit is typically less than 1.49pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Applicable Applications for FGF21 clia kit | CLIA (Chemiluminescence Immunoassay)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Precision                                  | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Fibroblast Growth Factor 21 (FGF21) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Fibroblast Growth Factor 21 (FGF21) were tested on 3 different plates, 8 replicates in each plate.<br>$CV(\%) = SD/mean \times 100$<br>Intra-Assay: CV<10%<br>Inter-Assay: CV<12%                                                                                                                                                                           |
| Test Principle                             | The microplate provided in this kit has been pre-coated with an antibody specific to Fibroblast Growth Factor 21 (FGF21). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Fibroblast Growth Factor 21 (FGF21). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. 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 proportional to the Fibroblast Growth Factor 21 (FGF21) level in the sample or standard. |
| 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)

NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 9506597                     |
| NCBI GeneID                      | 26291                       |
| NCBI Accession #                 | NP_061986.1                 |
| NCBI GenBank Nucleotide #        | NP_061986.1                 |
| UniProt Accession #              | Q9NSA1                      |
| NCBI Official Full Name          | fibroblast growth factor 21 |
| NCBI Official Synonym Full Names | fibroblast growth factor 21 |
| NCBI Official Symbol             | FGF21                       |
| NCBI Protein Information         | fibroblast growth factor 21 |
| UniProt Protein Name             | Fibroblast growth factor 21 |
| UniProt Gene Name                | <b>FGF21</b>                |
| UniProt Synonym Gene Names       | FGF-21                      |
| UniProt Entry Name               | FGF21_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/human-clia-kits/fibroblast-growth-factor-21-fgf21/189094>