

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

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CATALOG # AAA189094	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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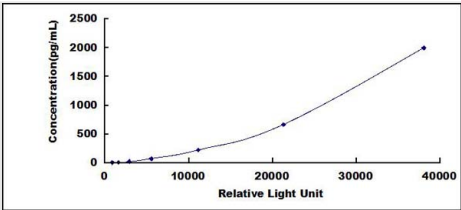
PRODUCT SYNONYMS

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. 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. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% 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. 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	FGF21
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://stage.aaabiotech.com/human-clia-kits/fibroblast-growth-factor-21-fgf21/189094>