

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

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CATALOG # AAA189092	REACTIVITY Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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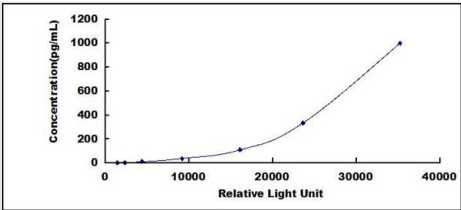
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 18 (FGF18). No significant cross-reactivity or interference between Fibroblast Growth Factor 18 (FGF18) and analogues was observed.
Sequence Length	207
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.37-1000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.55pg/mL
Applicable Applications for FGF18 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Fibroblast Growth Factor 18 (FGF18) 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 18 (FGF18) 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 18 (FGF18). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Fibroblast Growth Factor 18 (FGF18). 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 18 (FGF18) 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 #	4503695
NCBI GeneID	8817
NCBI GenBank Nucleotide #	NP_003853.1
UniProt Accession #	O76093
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
Online datasheet: <https://stage.aaabiotech.com/rat-clia-kits/fibroblast-growth-factor-18-fgf18/189092>