

Human Fibroblast Growth Factor 13 (FGF13) CLIA Kit | FGF13 clia kit

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CATALOG # AAA188454	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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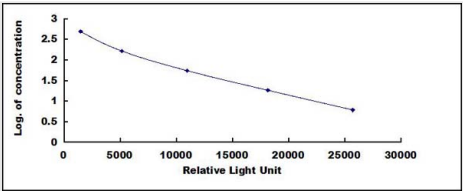
PRODUCT SYNONYMS

Fibroblast Growth Factor 13 (FGF13); Human Fibroblast Growth Factor 13 (FGF13) CLIA Kit; Fibroblast Growth Factor 13; FHF2; Fibroblast Growth Factor Homologous Factor 2; FGF13 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 13 (FGF13). No significant cross-reactivity or interference between Fibroblast Growth Factor 13 (FGF13) and analogues was observed.
Sequence Length	199
Assay Type	Competitive Inhibition
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	6.17-500pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 2.42pg/mL
Applicable Applications for FGF13 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Fibroblast Growth Factor 13 (FGF13) 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 13 (FGF13) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Fibroblast Growth Factor 13 (FGF13). A competitive inhibition reaction is launched between biotin labeled Fibroblast Growth Factor 13 (FGF13) and unlabeled Fibroblast Growth Factor 13 (FGF13) (Standards or samples) with the pre-coated antibody specific to Fibroblast Growth Factor 13 (FGF13). 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 13 (FGF13) 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 Fibroblast Growth Factor 13 (FGF13) 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 #	213417606
NCBI GeneID	2258
NCBI Accession #	NP_001132970.1
NCBI GenBank Nucleotide #	NP_001132970.1
UniProt Accession #	Q92913
NCBI Official Full Name	fibroblast growth factor 13 isoform 4
NCBI Official Synonym Full Names	fibroblast growth factor 13
NCBI Official Symbol	FGF13
NCBI Official Synonym Symbols	FGF2; FHF2; FHF-2; FGF-13; LINC00889
NCBI Protein Information	fibroblast growth factor 13
UniProt Protein Name	Fibroblast growth factor 13
UniProt Gene Name	FGF13
UniProt Synonym Gene Names	FHF2; FGF-13; FHF-2
UniProt Entry Name	FGF13_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-13-fgf13/188454>