

Human Fibroblast Growth Factor 13 (FGF13) ELISA Kit | FGF13 elisa kit

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CATALOG #
AAA139063

REACTIVITY
Human

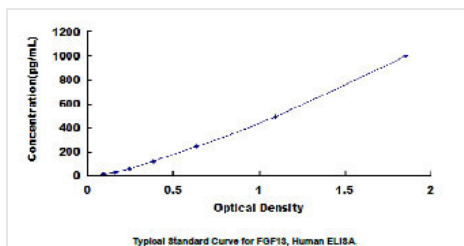
PRODUCT SYNONYMS

Fibroblast Growth Factor 13 (FGF13); Human Fibroblast Growth Factor 13 (FGF13) ELISA Kit; FGF13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF13. No significant cross-reactivity or interference between FGF13 and analogues was observed.
Sequence Length	245
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	Typically less than 6.6pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF13 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 FGF13 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all the reagents should be kept according to the label on each vial. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C while others should be at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF13 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FGF13 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FGF13. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to FGF13. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain FGF13, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of FGF13 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542809
NCBI GeneID	14168
NCBI Accession #	NP_034330.2
NCBI GenBank Nucleotide #	NM_010200.3
UniProt Accession #	P70377; O35338; Q3UR31; Q8VCY9; Q9JLA5; B1AU21
Molecular Weight	28,760 Da
NCBI Official Full Name	fibroblast growth factor 13 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor 13
NCBI Official Symbol	Fgf13
NCBI Official Synonym Symbols	Fhf2
NCBI Protein Information	fibroblast growth factor 13; fibroblast growth factor homologous factor 2
UniProt Protein Name	Fibroblast growth factor 13
UniProt Gene Name	Fgf13
UniProt Synonym Gene Names	Fhf2; FGF-13; FHF-2
UniProt Entry Name	FGF13_MOUSE

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.