

Human Fibroblast Growth Factor 5 (FGF5) ELISA Kit | FGF5 elisa kit

Human Fibroblast Growth Factor 5 (FGF5) ELISA Kit

CATALOG #
AAA67959

REACTIVITY
Human

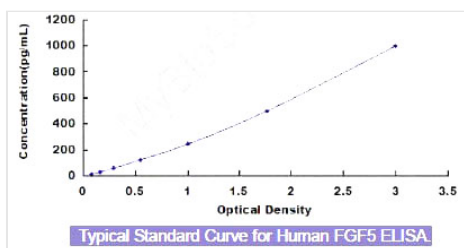
PRODUCT SYNONYMS

Fibroblast Growth Factor 5 (FGF5); Human Fibroblast Growth Factor 5 (FGF5) ELISA Kit; HBGF5 Smag82 Heparin-binding growth factor 5; FGF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF21. No significant cross-reactivity or interference between FGF21 and analogues was observed.
Sequence Length	123
Samples	Human Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100pg/mL
Sensitivity	0.65pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF21 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 FGF21 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 reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FGF21 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FGF21. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FGF21. 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 FGF21, 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 FGF21 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	73486655
NCBI GeneID	2250
NCBI Accession #	NP_004455.2
NCBI GenBank Nucleotide #	NM_004464.3
UniProt Accession #	P12034; O75846; Q3Y8M3; Q8NF90; B2R554
Molecular Weight	13,006 Da
NCBI Official Full Name	fibroblast growth factor 5 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor 5
NCBI Official Symbol	FGF5
NCBI Official Synonym Symbols	HBGF-5; TCMGLY; Smag-82
NCBI Protein Information	fibroblast growth factor 5
UniProt Protein Name	Fibroblast growth factor 5
UniProt Gene Name	FGF5
UniProt Synonym Gene Names	FGF-5; HBGF-5

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.