

Human Fibroblast Growth Factor 12 (FGF12) ELISA Kit | FGF12 elisa kit

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CATALOG #
AAA63591

REACTIVITY
Human

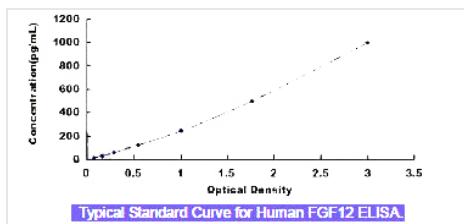
PRODUCT SYNONYMS

Fibroblast Growth Factor 12 (FGF12); Human Fibroblast Growth Factor 12 (FGF12) ELISA Kit; FGF12B; FHF1; Fibroblast Growth Factor Homologous Factor 1; Myocyte-Activating Factor; FGF12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF10. No significant cross-reactivity or interference between FGF10 and analogues was observed.
Sequence Length	181
Samples	Mouse Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	5.3pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF10 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 FGF10 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 FGF12 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FGF10 in mouse 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 FGF10. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FGF10. 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 FGF10, 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 FGF10 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 #	21614511
NCBI GeneID	2257
NCBI Accession #	NP_004104.3
NCBI GenBank Nucleotide #	NM_004113.5
UniProt Accession #	P61328; O35339; P70376; Q8TBG5; Q92912; Q93001; B2R6B7; B2R976
Molecular Weight	20,424 Da
NCBI Official Full Name	fibroblast growth factor 12 isoform 2
NCBI Official Synonym Full Names	fibroblast growth factor 12
NCBI Official Symbol	FGF12
NCBI Official Synonym Symbols	FHF1; EIEE47; FGF12B
NCBI Protein Information	fibroblast growth factor 12
UniProt Protein Name	Fibroblast growth factor 12
UniProt Gene Name	FGF12
UniProt Synonym Gene Names	FGF12B; FHF1; FGF-12; FHF-1

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/human-elisa-kits/fibroblast-growth-factor-12-fgf12/63591>