

Mouse Fibroblast Growth Factor 21 (FGF21) ELISA Kit | FGF21 elisa kit

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CATALOG #
AAA140835

REACTIVITY
Mouse

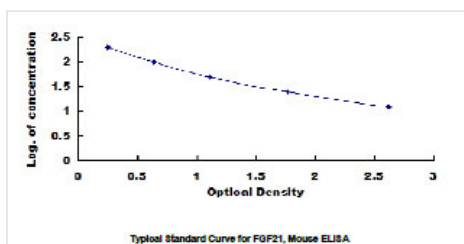
PRODUCT SYNONYMS

Fibroblast Growth Factor 21 (FGF21); Mouse Fibroblast Growth Factor 21 (FGF21) ELISA Kit; FGF21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between FGF21 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	209
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	2.47-200pg/mL
Sensitivity	0.91pg/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	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)

ADDITIONAL INFORMATION

Related Product Information for FGF21 elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of FGF21 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to FGF21 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled FGF21 and unlabeled FGF21 (Standards or samples) with the pre-coated antibody specific to FGF21. 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 FGF21 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of FGF21 in the sample.
Product Categories/Family for FGF21 elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	9506597
NCBI GeneID	26291
NCBI Accession #	NP_061986.1
NCBI GenBank Nucleotide #	NM_019113.2
Molecular Weight	22,300 Da
NCBI Official Full Name	fibroblast growth factor 21
NCBI Official Synonym Full Names	fibroblast growth factor 21
NCBI Official Symbol	FGF21
NCBI Protein Information	fibroblast growth factor 21
UniProt Protein Name	Fibroblast growth factor 21
UniProt Gene Name	FGF21
UniProt Synonym Gene Names	FGF-21
UniProt Entry Name	FGF21_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/mouse-elisa-kits/fibroblast-growth-factor-21-fgf21/140835>