

Mouse Fibroblast Growth Factor 14 (FGF14) ELISA Kit | FGF14 elisa kit

Mouse Fibroblast Growth Factor 14 (FGF14) Mini Samples ELISA Kit

CATALOG #
AAA147743

REACTIVITY
Mouse

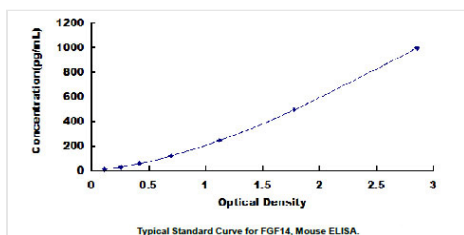
PRODUCT SYNONYMS

Fibroblast Growth Factor 14 (FGF14); Mouse Fibroblast Growth Factor 14 (FGF14) Mini Samples ELISA Kit; FHF4; SCA27; Fibroblast growth factor homologous factor 4; FGF14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	247
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.9pg/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	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 FGF14 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FGF10 in mouse 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 FGF10. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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.
Product Categories/Family for FGF14 elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	19224657
NCBI GeneID	63851
NCBI Accession #	NP_071559.2
NCBI GenBank Nucleotide #	NM_022223.2
UniProt Accession #	Q8R5L7
Molecular Weight	27,720 Da
NCBI Official Full Name	fibroblast growth factor 14
NCBI Official Synonym Full Names	fibroblast growth factor 14
NCBI Official Symbol	Fgf14
NCBI Official Synonym Symbols	Fhf4
NCBI Protein Information	fibroblast growth factor 14
UniProt Protein Name	Fibroblast growth factor 14
UniProt Gene Name	Fgf14
UniProt Synonym Gene Names	FGF-14

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-14-fgf14/147743>