

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

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CATALOG #
AAA186004

REACTIVITY
Mouse

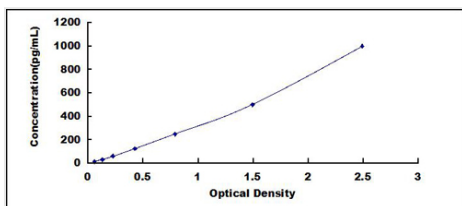
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 12 (FGF12). No significant cross-reactivity or interference between Fibroblast Growth Factor 12 (FGF12) and analogues was observed.
Sequence Length	127
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	< 5.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Fibroblast Growth Factor 12 (FGF12) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Fibroblast Growth Factor 12 (FGF12) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 FGF12 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Fibroblast Growth Factor 12 (FGF12). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fibroblast Growth Factor 12 (FGF12). 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 Fibroblast Growth Factor 12 (FGF12), 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 Fibroblast Growth Factor 12 (FGF12) 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 #	1749791
NCBI GeneID	2257
UniProt Accession #	Q99517; P61328
Molecular Weight	14,478 Da
NCBI Official Full Name	fibroblast growth factor 12, partial
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
UniProt Gene Name	FGF12
UniProt Synonym Gene Names	FGF

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-12-fgf12/186004>