

Human Fibroblast Growth Factor 18 (FGF18) ELISA Kit | FGF18 elisa kit

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CATALOG #
AAA182343

REACTIVITY
Human

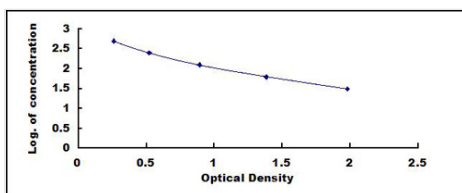
PRODUCT SYNONYMS

Fibroblast Growth Factor 18 (FGF18); Human Fibroblast Growth Factor 18 (FGF18) ELISA Kit; ZFGF5; FGF18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibroblast Growth Factor 18 (FGF18). No significant cross-reactivity or interference between Fibroblast Growth Factor 18 (FGF18) and analogues was observed.
Sequence Length	207
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	31.2-500pg/mL
Sensitivity	< 14.5pg/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 18 (FGF18) 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 18 (FGF18) 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 FGF18 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Fibroblast Growth Factor 18 (FGF18) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Fibroblast Growth Factor 18 (FGF18) and unlabeled Fibroblast Growth Factor 18 (FGF18) (Standards or samples) with the pre-coated antibody specific to Fibroblast Growth Factor 18 (FGF18). 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 Fibroblast Growth Factor 18 (FGF18) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Fibroblast Growth Factor 18 (FGF18) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503695
NCBI GeneID	8817
NCBI Accession #	NP_003853.1
NCBI GenBank Nucleotide #	NM_003862.2
UniProt Accession #	O76093; Q6UWF1; D3DQL7
Molecular Weight	23,989 Da
NCBI Official Full Name	fibroblast growth factor 18
NCBI Official Synonym Full Names	fibroblast growth factor 18
NCBI Official Symbol	FGF18
NCBI Official Synonym Symbols	ZFGF5; FGF-18
NCBI Protein Information	fibroblast growth factor 18
UniProt Protein Name	Fibroblast growth factor 18
UniProt Gene Name	FGF18
UniProt Synonym Gene Names	FGF-18

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/human-elisa-kits/fibroblast-growth-factor-18-fgf18/182343>