

Rat Fibroblast Growth Factor 4 (FGF4) ELISA Kit | FGF4 elisa kit

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CATALOG #
AAA64522

REACTIVITY
Rat

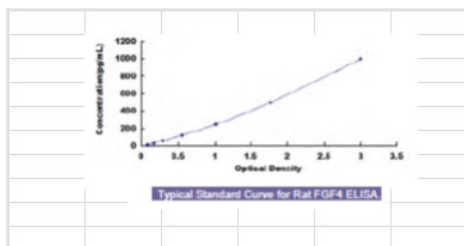
PRODUCT SYNONYMS

Fibroblast Growth Factor 4 (FGF4); Rat Fibroblast Growth Factor 4 (FGF4) ELISA Kit; HBGF4; HST; HSTF1; KFGF; K-FGF; Heparin Secretory Transforming Protein 1; Kaposi Sarcoma Oncogene; Transforming Protein KS3; FGF-Related Oncogene; FGF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF4. No significant cross-reactivity or interference between FGF4 and analogues was observed.
Sequence Length	195
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	5.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF4 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 FGF4 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 FGF4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FGF4 in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FGF4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FGF4. 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 FGF4, 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 FGF4 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 #	29789303
NCBI GeneID	116499
NCBI Accession #	NP_446261.1
NCBI GenBank Nucleotide #	NM_053809.1
UniProt Accession #	Q8R5L6
Molecular Weight	21,056 Da
NCBI Official Full Name	fibroblast growth factor 4
NCBI Official Synonym Full Names	fibroblast growth factor 4
NCBI Official Symbol	Fgf4
NCBI Official Synonym Symbols	Hst; Hst1
NCBI Protein Information	fibroblast growth factor 4
UniProt Protein Name	Fibroblast growth factor
UniProt Gene Name	Fgf4
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.