

Rat Fibroblast Growth Factor 1, Acidic (FGF1) ELISA Kit | FGF1 elisa kit

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CATALOG #
AAA63432

REACTIVITY
Rat

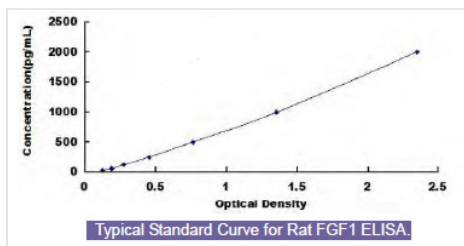
PRODUCT SYNONYMS

Fibroblast Growth Factor 1; Acidic (FGF1); Rat Fibroblast Growth Factor 1; Acidic (FGF1) ELISA Kit; ECGF; AFGF; ECGFA; ECGFB; FGF-Alpha; FGFA; HBGF1; Acidic Fibroblast Growth Factor; heparin-binding growth factor 1; Endothelial Cell Growth Factor; Beta; FGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FGF1. No significant cross-reactivity or interference between FGF1 and analogues was observed.
Sequence Length	155
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	<11.4pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FGF1 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 FGF1 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 FGF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FGF1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FGF1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FGF1. 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 FGF1, 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 FGF1 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 #	6978839
NCBI GeneID	25317
NCBI Accession #	NP_036978.1
NCBI GenBank Nucleotide #	NM_012846.1
UniProt Accession #	P61149; P10935
Molecular Weight	17,418 Da
NCBI Official Full Name	fibroblast growth factor 1
NCBI Official Synonym Full Names	fibroblast growth factor 1
NCBI Official Symbol	Fgf1
NCBI Official Synonym Symbols	FGF-1; HBGF1; HBGF-1
NCBI Protein Information	fibroblast growth factor 1
UniProt Protein Name	Fibroblast growth factor 1
UniProt Gene Name	Fgf1
UniProt Synonym Gene Names	Fgf-1; Fgfa; FGF-1; aFGF; HBGF-1

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/rat-elisa-kits/fibroblast-growth-factor-1-acidic-fgf1/63432>