

Human FGF1 ELISA Kit | FGF1 elisa kit

Human FGF1 PicoKine ELISA Kit

CATALOG #
AAA46757

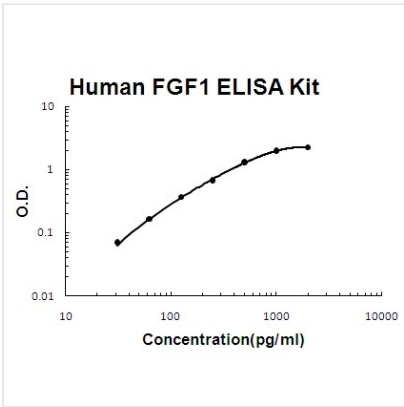
REACTIVITY
Human

PRODUCT SYNONYMS

FGF1; Human FGF1 PicoKine ELISA Kit; aFGF; FGF 1; FGF-1; Fgf-1; Fgfa; FGFA; HBGF1; HBGF-1; P05230; fgf19; Fibroblast growth factor 1; fibroblast growth factor 1 (acidic); FGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human FGF1
Sequence Length	155
Assay Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	15-20
Immunogen	E Coli, A2-D155
Sample Data	Concentration(pg/ml): 0 31.2 62.5 125 250 500 1000 2000 O.D.: 0.007 0.069 0.161 0.359 0.670 1.288 1.955 2.224
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 83.4 288 1204 95.1 302 1357 Standard Deviation: 3.67 16.13 71.04 5.90 20.54 100.42 CV(%): 4.4 5.6 5.9 6.2 6.8 7.4
Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human FGF1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum and plasma(heparin, EDTA) to each empty well. It is recommended that each human FGF1 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Human FGF1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FGF1 elisa kit	For quantitative detection of human FGF1 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: Heparin-binding growth factor 1 is a protein that in humans is encoded by the FGF1 gene. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. The FGF1 gene was mapped to chromosome 5q31.3-q33.2 by in situ hybridization. Principle: Human FGF1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Mouse specific for FGF1 has been precoated onto 96-well plates. Standards(Expression system for standard: E Coli, Immunogen sequence: A2-D155) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for FGF1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human FGF1 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503697
NCBI GeneID	2246
NCBI Accession #	NP_000791.1
NCBI GenBank Nucleotide #	NM_000800.4
UniProt Accession #	P05230; P07502; Q16588; B2R5T0; D3DQF2
Molecular Weight	6,698 Da
NCBI Official Full Name	fibroblast growth factor 1 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor 1
NCBI Official Symbol	FGF1
NCBI Official Synonym Symbols	AFGF; ECGF; FGFA; ECGFA; ECGFB; FGF-1; HBGF1; HBGF-1; GLIO703; ECGF-beta; FGF-alpha
NCBI Protein Information	fibroblast growth factor 1
UniProt Protein Name	Fibroblast growth factor 1
UniProt Gene Name	FGF1

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://www.aaabiotech.com/human-elisa-kits/fgf1/46757>