

Rat FGF1 ELISA Kit | FGF1 elisa kit

Rat FGF1 PicoKine ELISA Kit

CATALOG #
AAA45855

REACTIVITY
Rat

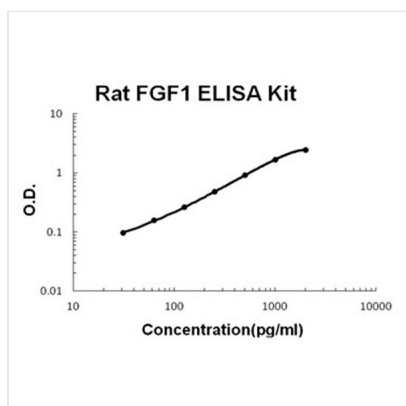
PRODUCT SYNONYMS

FGF1; Rat FGF1 PicoKine ELISA Kit; Fibroblast growth factor 1; fibroblast growth factor 1 (acidic); Acidic fibroblast growth factor; aFGF; ECGF; Endothelial cell growth factor; FGF-1; Fgf1; FGF1_HUMAN; FGFA; HBGF-1; Heparin-binding growth factor 1; FGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat FGF1
Sequence Length	155
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat FGF1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FGF1 elisa kit	Principle of the assay: rat 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(E.coli, F16-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 rat FGF1 amount of sample captured in plate. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47117672
NCBI GeneID	25317
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 (acidic)
NCBI Official Symbol	Fgf1
NCBI Official Synonym Symbols	FGF-1; HBGF1; HBGF-1
NCBI Protein Information	fibroblast growth factor 1; aFGF; acidic fibroblast growth factor; heparin-binding growth factor 1; Fibroblast growth factor 1 (heparin binding)
UniProt Protein Name	Fibroblast growth factor 1
UniProt Gene Name	Fgf1
UniProt Synonym Gene Names	Fgf-1; Fgfa; FGF-1; aFGF; HBGF-1
UniProt Entry Name	FGF1_RAT

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.