

Human Heparin-binding growth factor 1 ELISA Kit | FGF1 elisa kit

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CATALOG #
AAA99164

REACTIVITY
Human

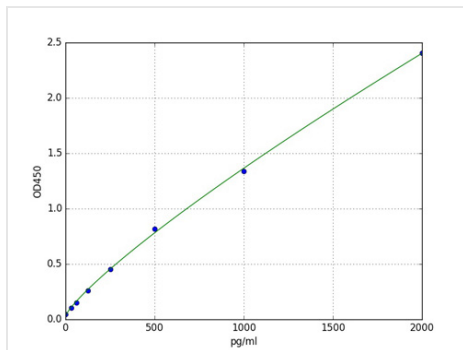
PRODUCT SYNONYMS

Heparin-binding growth factor 1; Human Heparin-binding growth factor 1 ELISA Kit; AFGF/FGF1 (Acidic Fibroblast Growth Factor 1)/alpha-ECGF/beta-ECGF/FGF-1/HBGF-1/AFGF/aFGF/ECGFB/FGFABeta-endothelial cell growth factor/FGF-alpha/fibroblast growth factor 1 (acidic)/HBGF1/HBGF-1; FGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	155
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Results of a typical standard run of a human AFGF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.043	0.102	0.176	0.349	0.616	1.134	1.819	2.276

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-human AFGF antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-human AFGF antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 AFGF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of human AFGF can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386768
NCBI GeneID	2246
Molecular Weight	6,698 Da
NCBI Official Full Name	heparin-binding growth factor 1, partial
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
UniProt Synonym Gene Names	FGFA; FGF-1; aFGF; ECGF; HBGF-1
UniProt Entry Name	FGF1_HUMAN

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/fgf1-human-elisa-kits/heparin-binding-growth-factor-1/99164>