

Mouse Heparin-binding growth factor 1 (FGF1) ELISA Kit | FGF1 elisa kit

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CATALOG #
AAA247037

REACTIVITY
Mouse

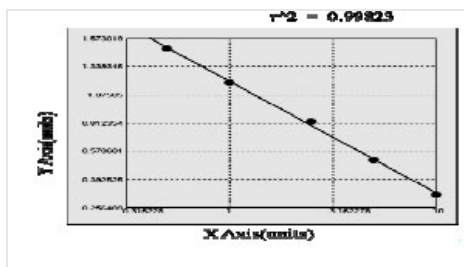
PRODUCT SYNONYMS

Heparin-binding growth factor 1 (FGF1); Mouse Heparin-binding growth factor 1 (FGF1) ELISA Kit; FGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF1 elisa kit

Intended Uses: This HBGF1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HBGF1.

Principle of the Assay: HBGF1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HBGF1 antibody and an HBGF1-HRP conjugate. The assay sample and buffer are incubated together with HBGF1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HBGF1 concentration since HBGF1 from samples and HBGF1-HRP conjugate compete for the anti-HBGF1 antibody binding site. Since the number of sites is limited, as more sites are occupied by HBGF1 from the sample, fewer sites are left to bind HBGF1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HBGF1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FGF1 elisa kit

Immunology

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 (acidic)
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; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha
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/mouse-elisa-kits/heparin-binding-growth-factor-1-fgf1/247037>