

Mouse Basic Fibroblast growth factor ELISA Kit | bFGF elisa kit

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CATALOG #
AAA85680

REACTIVITY
Mouse

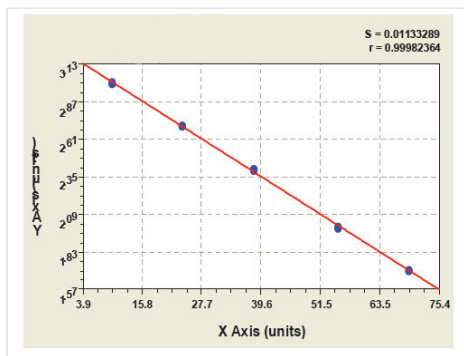
PRODUCT SYNONYMS

Basic Fibroblast growth factor; Mouse Basic Fibroblast growth factor ELISA Kit; bFGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This bFGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse bFGF. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for bFGF elisa kit

Principle of the Assay: bFGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-bFGF antibody and an bFGF-HRP conjugate. The assay sample and buffer are incubated together with bFGF-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 bFGF concentration since bFGF from samples and bFGF-HRP conjugate compete for the anti-bFGF antibody binding site. Since the number of sites is limited, as more sites are occupied by bFGF from the sample, fewer sites are left to bind bFGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The bFGF concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8250666
NCBI GeneID	2247
Molecular Weight	21,203 Da
NCBI Official Full Name	basic fibroblast growth factor, partial
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB; FGF-2; bFGF; HBGF-2
UniProt Entry Name	FGF2_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/bfgf-mouse-elisa-kits/basic-fibroblast-growth-factor/85680>