

Mouse Basic Fibroblast Growth Factor ELISA Kit | BFGF elisa kit

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CATALOG #
AAA85903

REACTIVITY
Mouse

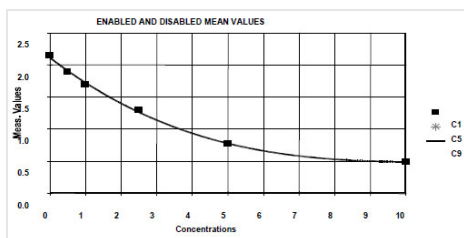
PRODUCT SYNONYMS

Basic Fibroblast Growth Factor; Mouse Basic Fibroblast Growth Factor ELISA Kit; Basic Fibroblast Growth Factor ELISA Kit (Mouse); BFGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BFGF elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate serum or blood plasma

Intended Uses: This BFGF ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of BFGF in the sample, this BFGF ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus BFGF concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoassay for the quantitative measurement of BFGF utilizes a polyclonal 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. Standards of known BFGF concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (O.D.) to the concentration of BFGF. The BFGF concentration in each sample is interpolated from this standard curve.

Product Categories/Family for BFGF elisa kit

[Mouse ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	8250666
NCBI GeneID	2247
UniProt Accession #	P09038; O00527; P78443; Q16443; Q5PY50; Q7KZ11; Q7KZ72; Q9UC54; Q9UCS5; Q9UCS6; A4LBB8
Molecular Weight	30,770 Da
NCBI Official Full Name	basic fibroblast growth factor
NCBI Official Synonym Full Names	fibroblast growth factor 2 (basic)
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; HBGF-2
NCBI Protein Information	heparin-binding growth factor 2; prostatropin; OTTHUMP00000037513; basic fibroblast growth factor bFGF
UniProt Protein Name	Heparin-binding growth factor 2
UniProt Gene Name	FGF2
UniProt Synonym Gene Names	FGFB
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/85903>