

Rat Basic Fibroblast Growth Factor ELISA Kit | BFGF elisa kit

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CATALOG #
AAA87069

REACTIVITY
Rat

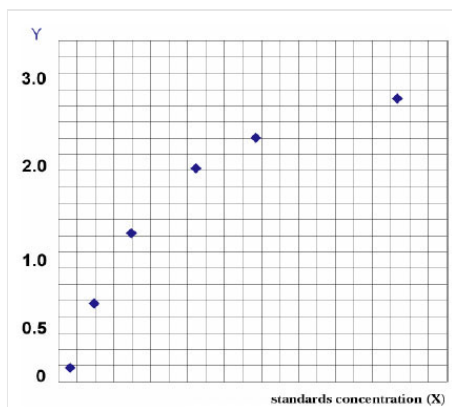
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BFGF elisa kit

Intended Uses: This BFGF ELISA kit is intended Laboratory for 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 BFGF in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This BFGF enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for BFGF. Standards or samples are then added to the microtiter plate wells and BFGF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BFGF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for BFGF are added to each well to "sandwich" the BFGF immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain BFGF and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

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-rat-elisa-kits/basic-fibroblast-growth-factor/87069>