

Human Basic Fibroblast growth factor ELISA Kit | bFGF elisa kit

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CATALOG #
AAA85522

REACTIVITY
Human

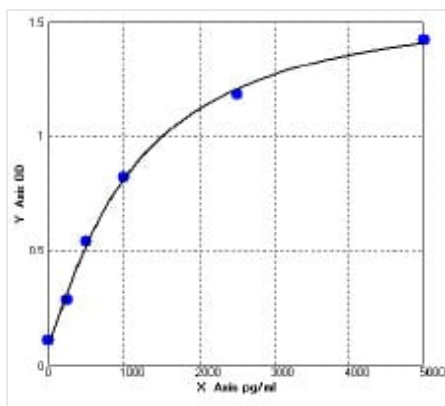
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BFGF. No significant cross-reactivity or interference between BFGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BFGF and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Sensitivity	1.0pg/mL
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 a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BFGF. This ELISA kit for research use only! Principle of the Assay: BFGF ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate 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, substrate solutions are 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 color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.
Product Categories/Family for bFGF elisa kit	Cardiovascular

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; prostaticin; 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-human-elisa-kits/basic-fibroblast-growth-factor/85522>