

Rat Basic Fibroblast Growth Factor ELISA Kit | bFGF/FGF2 elisa kit

Rat Basic Fibroblast Growth Factor ELISA Kit

CATALOG #
AAA100661

REACTIVITY
Rat

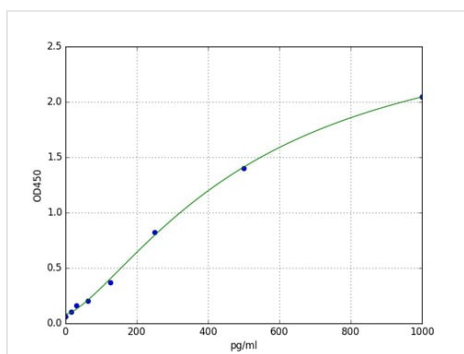
PRODUCT SYNONYMS

Basic Fibroblast Growth Factor; Rat Basic Fibroblast Growth Factor ELISA Kit; bFGF/FGF2/FGF-2/FGF2AS/GFG1/HBGF-2/NUDT6/Prostatropin/Basic fibroblast growth factor/basic fibroblast growth factor bFGF/FGFB/fibroblast growth factor 2 (basic)/HBGF-2/heparin-binding growth factor 2; bFGF/FGF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	157
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat bFGF ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.031	0.071	0.131	0.219	0.479	1.060	1.694	2.435

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for bFGF/FGF2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat bFGF antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat bFGF antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat bFGF amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat bFGF can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	183087
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
NCBI Official Symbol	FGF2
NCBI Official Synonym Symbols	BFGF; FGFB; FGF-2; HBGF-2
NCBI Protein Information	fibroblast growth factor 2
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-fgf2-rat-elisa-kits/basic-fibroblast-growth-factor/100661>