

Rat Acidic Fibroblast Growth Factor ELISA Kit | aFGF elisa kit

Rat Acidic Fibroblast Growth Factor ELISA Kit

CATALOG #
AAA92898

REACTIVITY
Rat

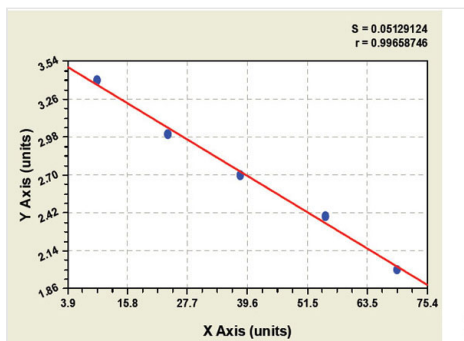
PRODUCT SYNONYMS

Acidic Fibroblast Growth Factor; Rat Acidic Fibroblast Growth Factor ELISA Kit; aFGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	100-2500 pg/mL
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for aFGF elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This AFGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AFGF. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	456828
NCBI GeneID	2246
Molecular Weight	6,698 Da
NCBI Official Full Name	acidic fibroblast growth factor, partial
NCBI Official Synonym Full Names	fibroblast growth factor 1 (acidic)
NCBI Official Symbol	FGF1
NCBI Official Synonym Symbols	AFGF; ECGF; FGFA; ECGFA; ECGFB; FGF-1; HBGF1; HBGF-1; GLIO703; ECGF-beta; FGF-alpha
NCBI Protein Information	fibroblast growth factor 1; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha
UniProt Protein Name	Fibroblast growth factor 1
UniProt Gene Name	FGF1
UniProt Synonym Gene Names	FGFA; FGF-1; aFGF; ECGF; HBGF-1
UniProt Entry Name	FGF1_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/afgf-rat-elisa-kits/acidic-fibroblast-growth-factor/92898>