

Rat Fibroblast Growth Factor 2 ELISA Kit | FGF-2 elisa kit

Rat Fibroblast Growth Factor 2 ELISA Kit

CATALOG #
AAA85910

REACTIVITY
Rat

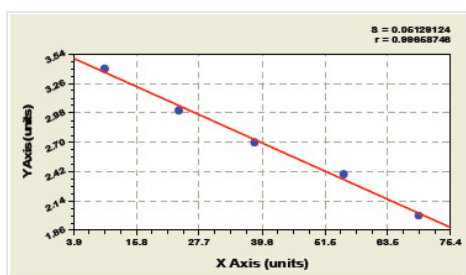
PRODUCT SYNONYMS

Fibroblast Growth Factor 2; Rat Fibroblast Growth Factor 2 ELISA Kit; FGF-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 FGF-2 elisa kit

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

INTENDED USE This FGF-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FGF-2. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY FGF-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-FGF-2 antibody and an FGF-2-HRP conjugate. The assay sample and buffer are incubated together with FGF-2-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 FGF-2 concentration since FGF-2 from samples and FGF-2-HRP conjugate compete for the anti-FGF-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by FGF-2 from the sample, fewer sites are left to bind FGF-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FGF-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FGF-2 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21686781
NCBI GeneID	949308
NCBI Accession #	NP_663281.1
NCBI GenBank Nucleotide #	NC_004062.1
Molecular Weight	44,963 Da
NCBI Official Full Name	fibroblast growth factor 2
NCBI Official Symbol	PhopGV116
NCBI Official Synonym Symbols	fgf-2
NCBI Protein Information	fibroblast growth factor 2
UniProt Protein Name	Fibroblast growth factor 2
UniProt Gene Name	PhopGV116
UniProt Entry Name	Q8JRU3_9BBAC

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/fgf-2-rat-elisa-kits/fibroblast-growth-factor-2/85910>