

Rat Fibroblast growth factor 23 ELISA Kit | FGF-23 elisa kit

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CATALOG #
AAA84970

REACTIVITY
Rat

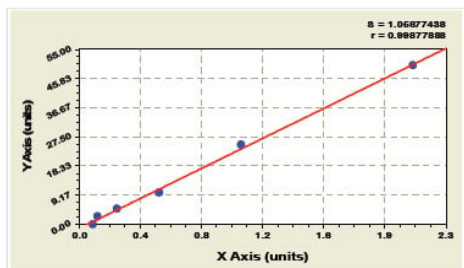
PRODUCT SYNONYMS

Fibroblast growth factor 23; Rat Fibroblast growth factor 23 ELISA Kit; FGF-23 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This FGF-23 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FGF-23. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF-23 elisa kit

Principle of the assay: FGF-23 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for FGF-23. Standards or samples are then added to the microtiter plate wells and FGF-23 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of FGF-23 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for FGF-23 are added to each well to "sandwich" the FGF-23 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 FGF-23 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 FGF-23 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for FGF-23 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190674
NCBI GeneID	8074
NCBI Accession #	NP_065689.1
NCBI GenBank Nucleotide #	NM_020638.2
Molecular Weight	27,954 Da
NCBI Official Full Name	fibroblast growth factor 23
NCBI Official Synonym Full Names	fibroblast growth factor 23
NCBI Official Symbol	FGF23
NCBI Official Synonym Symbols	ADHR; FGFN; HYPF; HPDR2; PHPTC
NCBI Protein Information	fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor
UniProt Protein Name	Fibroblast growth factor 23
UniProt Gene Name	FGF23
UniProt Synonym Gene Names	HYPF; UNQ3027/PRO9828; FGF-23
UniProt Entry Name	FGF23_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/fgf-23-rat-elisa-kits/fibroblast-growth-factor-23/84970>