

Human FGF23 ELISA Kit | FGF23 elisa kit

Human FGF23 ELISA Kit

CATALOG # AAA17870	REACTIVITY Human	APPLICATIONS ELISA
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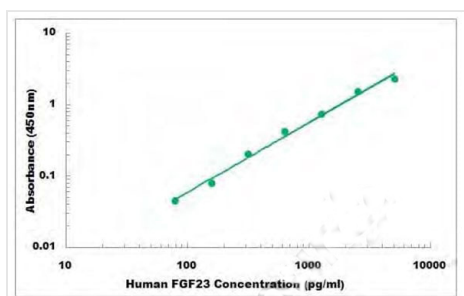
PRODUCT SYNONYMS

FGF23; Human FGF23 ELISA Kit; HYPF; Fibroblast growth factor 23; FGF-23; Phosphatonin; Tumor-derived hypophosphatemia-inducing factor; FGF23 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human FGF23 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human FGF23 proteins within the range of 78 pg/ml - 5000 pg/ml.
Sequence Length	251
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 30 pg/ml
Applicable Applications for FGF23 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF23 elisa kit	Background: FGF23, regulator of phosphate homeostasis. Inhibits renal tubular phosphate transport by reducing SLC34A1 levels. Upregulates EGR1 expression in the presence of KL. Acts directly on the parathyroid to decrease PTH secretion. Regulator of vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. Defects in FGF23 are the cause of autosomal dominant hypophosphataemic rickets (ADHR). ADHR is characterized by low serum phosphorus concentrations, rickets, osteomalacia, leg deformities, short stature, bone pain and dental abscesses. Defects in FGF23 are a cause of hyperphosphatemic familial tumoral calcinosis (HFTC). HFTC is a severe autosomal recessive metabolic disorder that manifests with hyperphosphatemia and massive calcium deposits in the skin and subcutaneous tissues. Belongs to the heparin-binding growth factors family. Principle of the Assay: The Human FGF23 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human FGF23 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human FGF23 coated on a 96-well plate. Standards and samples are pipetted into the wells and FGF23 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human FGF23 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of FGF23 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10190674
NCBI GeneID	8074
NCBI Accession #	NP_065689.1
NCBI GenBank Nucleotide #	NM_020638.2
UniProt Accession #	Q9GZV9; Q4V758
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; 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.