

Human FGF21 ELISA Kit | FGF21 elisa kit

Human FGF21 ELISA Kit

CATALOG # AAA105938	REACTIVITY Human	APPLICATIONS ELISA
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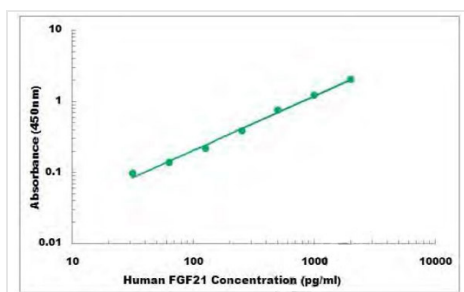
PRODUCT SYNONYMS

FGF21; Human FGF21 ELISA Kit; Fibroblast growth factor 21; FGF-21; FGF21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human FGF21 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human FGF21 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	209
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 15 pg/ml
Applicable Applications for FGF21 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 FGF21 elisa kit	Principle of the Assay: The AAA Biotech' Human FGF21 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human FGF21 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human FGF21 coated on a 96-well plate. Standards and samples are pipetted into the wells and FGF21 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human FGF21 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 FGF21 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Fibroblast growth factor 21 is a protein that in humans is encoded by the FGF21 gene. By genomic sequence analysis, Nishimura et al. (2000) identified the FGF21 gene within the 5-prime flanking region of the FUT1 gene on chromosome 19. The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF21 stimulates glucose uptake in adipocytes but not in other cell types. This effect is additive to the activity of insulin. FGF21 treatment of adipocytes is associated with phosphorylation of FRS2, a protein linking FGF receptors to the Ras/MAP kinase pathway. FGF21 injection in ob/ob mice results in an increase in Glut1 in adipose tissue. FGF21 also protects animals from diet-induced obesity when overexpressed in transgenic mice and lowers blood glucose and triglyceride levels when administered to diabetic rodents.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9506597
NCBI GeneID	26291
NCBI Accession #	NP_061986.1
NCBI GenBank Nucleotide #	NM_019113.2
UniProt Accession #	Q9NSA1; Q8N683
Molecular Weight	22,300 Da
NCBI Official Full Name	fibroblast growth factor 21
NCBI Official Synonym Full Names	fibroblast growth factor 21
NCBI Official Symbol	FGF21
NCBI Protein Information	fibroblast growth factor 21
UniProt Protein Name	Fibroblast growth factor 21
UniProt Gene Name	FGF21
UniProt Synonym Gene Names	FGF-21
UniProt Entry Name	FGF21_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.