

Human FGF19 ELISA Kit | FGF19 elisa kit

Human FGF19 PicoKine ELISA Kit

CATALOG #
AAA45869

REACTIVITY
Human

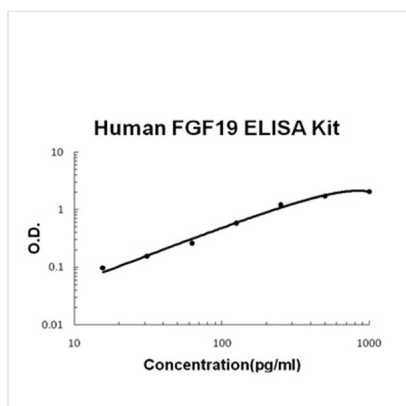
PRODUCT SYNONYMS

FGF19; Human FGF19 PicoKine ELISA Kit; Fibroblast growth factor 19; fibroblast growth factor 19; FGF 19; FGF-19; FGF15; FGF19_HUMAN; Fibroblast growth factor 15; FGF19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human FGF19
Sequence Length	216
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human FGF19 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for FGF19 elisa kit	Principle of the assay: human FGF19 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for FGF19 has been precoated onto 96-well plates. Standards(E.coli, L25-K216) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for FGF19 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human FGF19 amount of sample captured in plate. Background: FGF19, Fibroblast growth factor 19, is a protein that in humans is encoded by the FGF19 gene. The protein encoded by this gene is a member of the fibroblast growth factor(FGF) family. The FGF19 gene is mapped to 11q13.3. The deduced 216-amino acid FGF19 protein contains asignal sequence and 2 cysteine residues that are conserved in the FGF family. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. FGF19 stimulates hepatic protein and glycogen synthesis but does not induce lipogenesis. The effects of FGF19 are independent of the activity of either insulin or the protein kinase Akt and, instead, are mediated through a mitogen-activated protein kinase signaling pathway that activates components of the protein translation machinery and stimulates glycogen synthase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11132196
NCBI GeneID	9965
UniProt Accession #	O95750
Molecular Weight	24,003 Da
NCBI Official Full Name	Fibroblast growth factor 19
NCBI Official Synonym Full Names	fibroblast growth factor 19
NCBI Official Symbol	FGF19
NCBI Protein Information	fibroblast growth factor 19; FGF-19
UniProt Protein Name	Fibroblast growth factor 19
UniProt Gene Name	FGF19
UniProt Synonym Gene Names	FGF-19
UniProt Entry Name	FGF19_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.