

Human Fibroblast growth factor 19 (FGF-19) ELISA Kit | FGF-19 elisa kit

Fibroblast growth factor 19 (FGF-19): Human (ELISA)

CATALOG #
AAA60543

REACTIVITY
Human

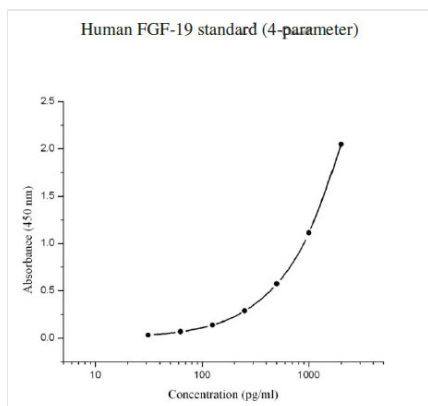
PRODUCT SYNONYMS

Fibroblast growth factor 19 (FGF-19); Fibroblast growth factor 19 (FGF-19): Human (ELISA); Human FGF-19; FGF-19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The antibodies used in this assay are specific to human FGF-19 and do not cross-react with human Adiponectin, FGF-21, FABP4, LCN2, RBP4 and PAI-1.
Sequence Length	216
Samples	Serum, plasma and cell culture supernate samples
Assay Type	Quantitative Sandwich
Sensitivity	31.2 pg/ml
Intra-assay Precision	C.V< 4.5%.
Inter-assay Precision	C.V< 5.6%.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF-19 elisa kit	Intended Uses: This human FGF-19 ELISA kit is designed for quantification of human FGF- 19 in serum, plasma and cell culture supernate samples. Principle of the Assay: This assay is a quantitative sandwich ELISA. The immunoplate is pre-coated with a rabbit polyclonal antibody specific for human FGF-19. Standards and samples are pipetted into the wells and any human FGF-19 present is bound by the immobilized antibody. After washing away any unbound substances, a biotin labelled polyclonal antibody specific for human FGF-19 is added to the wells. After wash step to remove any unbound reagents, streptavidin-HRP conjugate (STP-HRP) is added. After the last wash step, an HRP substrate solution is added and colour develops in proportion to the amount of human FGF-19 bound initially. The assay is stopped and the optical density of the wells determined using a microplate reader. Since the increases in absorbance are directly proportional to the amount of captured human FGF-19, the unknown sample concentration can be interpolated from a reference curve included in each assay. Background/Introduction: Fibroblast growth factor 19 (FGF-19) is a member of a subfamily of FGFs that includes FGF-21 and FGF-23, each member functions as an important regular of nutrient metabolism [1]. The primary source of endocrine FGF-19 is the ileum, bile acids release into the intestine after a meal to induce expression of FGF-19 [2]. Circulating FGF-19 plays an important role in maintaining proper bile acid homeostasis [3]. Several pharmacologic studies in hyperglycaemic, obese animal models have shown that FGF-19 can improve metabolic rate and lower serum glucose and hepatic triglyceride and cholesterol levels [4][5]. Like insulin, FGF-19 functions as postprandial hormone to govern hepatic protein synthesis, glycogen synthesis and gluconeogenesis, but does not stimulate lipogenesis [6].
References	1. The structural biology of the FGF19 subfamily. Beenken A, Mohammadi M. Adv Exp Med Biol. 2012;728:1-24. 2. Mini-review: endocrine actions of fibroblast growth factor 19. Jones S. Mol Pharm. 2008 Jan-Feb;5(1):42-8

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826726
NCBI GeneID	9965
NCBI GenBank Nucleotide #	NP_005108.1
UniProt Accession #	O95750
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
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/fibroblast-growth-factor-19-fgf-19/60543>