

Human Fibroblast growth factor 19 ELISA Kit | FGF19 elisa kit

Human Fibroblast growth factor 19 ELISA Kit

CATALOG #
AAA101566

REACTIVITY
Human

PRODUCT SYNONYMS

Fibroblast growth factor 19; Human Fibroblast growth factor 19 ELISA Kit; FGF19 (Fibroblast growth factor 19); FGF19 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FE. No significant cross-reactivity or interference between FE and analogues was observed.
Sequence Length	216
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FE were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FE were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a FGF19 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	7.812	15.625	31.25	62.5	125	250	500
Y	OD450	0.070	0.139	0.204	0.340	0.593	1.019	1.713	2.781

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF19 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-FE antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-FE antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 FE amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of FE can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826726
NCBI GeneID	9965
NCBI Accession #	NP_005108.1
NCBI GenBank Nucleotide #	NM_005117.2
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/fgf19-human-elisa-kits/fibroblast-growth-factor-19/101566>