

Rat fibroblast growth factor 21 ELISA Kit | FGF21 elisa kit

Rat fibroblast growth factor 21, FGF21 ELISA Kit

CATALOG #
AAA81009

REACTIVITY
Rat

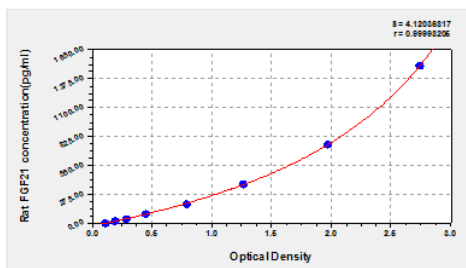
PRODUCT SYNONYMS

fibroblast growth factor 21; Rat fibroblast growth factor 21; FGF21 ELISA Kit; Rat fibroblast growth factor 21 (FGF21) ELISA kit; FGF21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat FGF21. No significant cross-reactivity or interference between rat FGF21 and analogues was observed.
Sequence Length	209
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	23.5 pg/ml -1500 pg/ml.
Sensitivity	The minimum detectable dose of rat FGF21 is typically less than 5.8 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF21 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for FGF21 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FGF21 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FGF21 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FGF21 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	UNQ3115/PRO10196; 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.

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Online datasheet: <https://stage.aaabiotech.com/fgf21-rat-elisa-kits/fibroblast-growth-factor-21/81009>