

ENERGY METABOLISM AND BODY WEIGHT REGULATION

Immunoassays



HUMAN FIBROBLAST GROWTH FACTOR-19 ELISA

Cat. No.: RD191107200R

RUO

Intended use

The RD191107200R Human FGF-19 ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human fibroblast growth factor-19 (FGF-19) in serum and plasma.

- The total assay time is less than 3.5 hours
- The kit measures FGF-19 in serum and plasma (EDTA, citrate, heparin)
- Assay format is 96 wells
- Standard and Quality Controls are recombinant protein based
- Components of the kit are provided ready to use, concentrated or lyophilized

Clinical application

- Cholesterol metabolism
- Metabolic syndrome

Test principle

In the BioVendor Human FGF-19 ELISA, standards, quality controls and samples are incubated in microtitration wells pre-coated with polyclonal anti-human FGF-19 antibody. After a 60 minute incubation followed by washing, biotin labelled polyclonal anti-human FGF-19 antibody is added and incubated with the captured FGF-19 for 60 minutes. After another washing, streptavidin-HRP conjugate is added. After 30 minutes incubation and the last washing step, the

remaining conjugate is allowed to react with the substrate solution (TMB). The reaction is stopped by addition of acidic solution and absorbance of the resulting yellow product is measured. The absorbance is proportional to the concentration of FGF-19. A standard curve is constructed by plotting absorbance values against FGF-19 concentrations of standards, and concentrations of unknown samples are determined using this standard curve.

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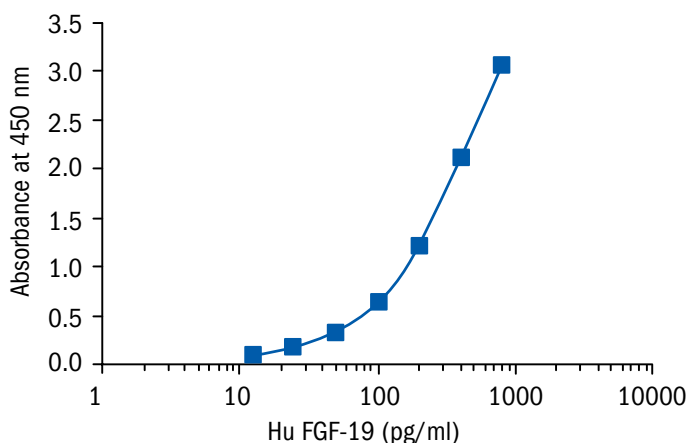
Assay format	Sandwich ELISA, Biotin-labelled antibody, 96 wells/kit
Samples	Serum, Plasma (EDTA, citrate, heparin)
Controls	QC-Low, QC-High
Standards	12.5 to 800 pg/ml
Limit of detection	4.8 pg/ml
Cross-reactivity	horse, monkey

Summary of protocol

- Prepare Standards and QCs
- Dilute Samples 3×
- Add 100 µl Standards, QCs and samples
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl Biotin Labelled Antibody solution
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl Streptavidin-HRP Conjugate
- Incubate at RT for 30 min/300 rpm
- Wash plate 3 times
- Add 100 µl Substrate Solution
- Incubate at RT for 10 min
- Add 100 µl Stop Solution
- Read absorbance and calculate results

Related products

- Fibroblast Growth Factor 19 Human E. coli RD172107100
- Fibroblast Growth Factor 19 Human, Rabbit Polyclonal Antibody RD181107100
- Fibroblast Growth Factor 19 Human, Sheep Polyclonal Antibody RD184107100



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