

## Datasheet for KOA0666

**Human FGF19 ELISA Kit****Overview**

<b>Description:</b>	Human FGF19 AccuSignal ELISA Kit - KOA0666
<b>Item No.:</b>	KOA0666
<b>Size:</b>	1 Kit
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Human
<b>Range:</b>	15.6 pg/ml - 1000 pg/ml

**Product Details**

<b>Background:</b>	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 a signal 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.
<b>Synonyms:</b>	FGF-19, FGF19, FGF19_HUMAN, Fibroblast growth factor 19
<b>Detection Kit Type:</b>	ELISA Kit
<b>Detection Range:</b>	15.6 pg/ml - 1000 pg/ml
<b>Sensitivity:</b>	<10 pg/ml

**Target Details**

<b>Gene Name:</b>	FGF19
<b>Reactivity:</b>	Human
<b>Immunogen:</b>	Expression system for standard: E.coli; Immunogen sequence: L25-K216

**Purity/Specificity:** Natural and recombinant human FGF19. There is no detectable cross-reactivity with other relevant proteins.

**Relevant Links:**

- [UniProtKB - O95750](#)
- [NCBI - NP\\_005108.1](#)
- [GeneID - 9965](#)
- [KOA0666 Protocol](#)

## Application Details

**Tested Applications:** ELISA

**Application Note:** Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human FGF19 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human FGF19 standard solution and each sample be measured in duplicate.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 15.6pg/ml-1000pg/ml

**Other:**  
DOE:  
2-8° C - 05/28/19  
-20° C - 11/28/19

## Formulation

**Concentration:** 1 Kit

**Anticoagulant:** Heparin Sodium

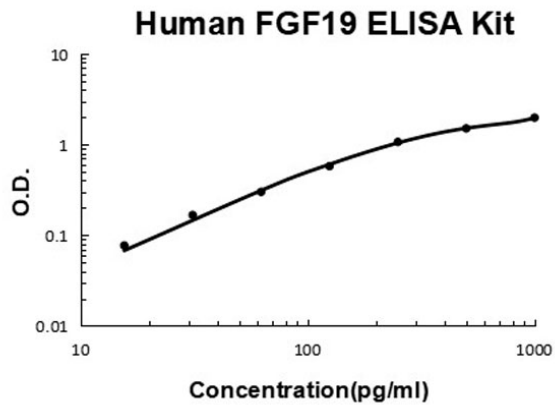
## Shipping & Handling

**Shipping Condition:** Wet Ice

**Storage Condition:** Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

**Expiration:** See kit insert for complete instructions.

## Images



### ELISA

Human FGF19 ELISA Kit standard curve.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.