

ARG81511 Human FGF19 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81511-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81511-002	Standard	2 X 10 ng/vial	4°C
ARG81511-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81511-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81511-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81511-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81511-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81511-008	25X Wash buffer	20 ml	4°C
ARG81511-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81511-010	STOP solution	10 ml (Ready to use)	4°C
ARG81511-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81511 Human FGF19 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FGF19 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FGF19
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 6.3%
Alternate Names	Fibroblast growth factor 19; FGF-19

Application Instructions

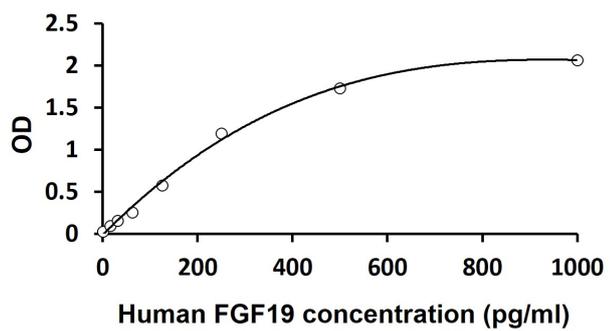
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FGF19
Gene Full Name	fibroblast growth factor 19
Background	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth and invasion. This growth factor is a high affinity, heparin dependent ligand for FGFR4. 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. [provided by RefSeq, Jul 2008]
Function	Involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. Stimulates glucose uptake in adipocytes. Activity requires the presence of KLB and FGFR4. [UniProt]
Highlight	Related products: FGF19 antibodies ; FGF19 ELISA Kits ; FGF19 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81511 Human FGF19 ELISA Kit standard curve image

ARG81511 Human FGF19 ELISA Kit results of a typical standard run with optical density reading at 450 nm.