ARG83033
Human FGF19 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83033 Human FGF19 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FGF19 in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with: Human bFGF, FGF-21, FGF R1 alpha,FGF-R1 beta, FGF-R2 alpha, FGF-R2 beta. Mouse FGF15, FGF21, FGF23, FGFR1 alpha, FGFR1 beta. Rat FGF15, FGF21, FGF23, FGFR1 alpha, FGFR1 beta.
Target Name	FGF19
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	31.3-2000 pg/ml
Sample Volume	100 µl
Alternate Names	FGF19, FGF 19, Fibroblast Growth Factor 19

Application Instructions

Assay Time	~ 4 hours

Properties

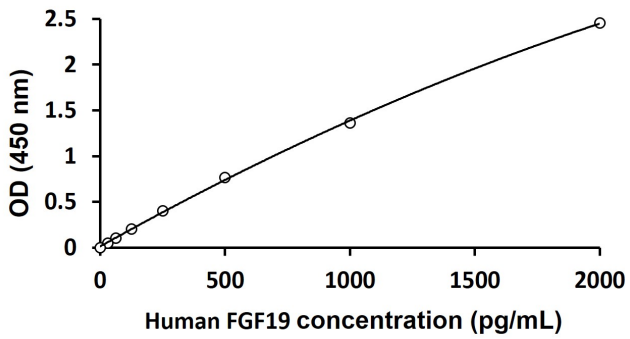
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory 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
PTM	Disulfide bond. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG83033 Human FGF19 ELISA Kit standard curve image

ARG83033 Human FGF19 ELISA Kit results of standard run with optical density reading at 450 nm