

ARG80158 Human FGF21 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80158-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80158-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80158-003	Standard diluent buffer	20 ml	4°C
ARG80158-004	Antibody conjugate concentrate	400 µl	4°C
ARG80158-005	Antibody diluent buffer	16 ml	4°C
ARG80158-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80158-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80158-008	20X Wash buffer	50 ml	4°C
ARG80158-009	TMB substrate	12ml	4°C (Protect from light)
ARG80158-010	STOP solution	12ml	4°C
ARG80158-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80158 Human FGF21 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FGF21 in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human FGF-19, FGF-23, FGF R1 (IIIb)/Fc Chimera, FGF R1 (IIIc)/Fc Chimera, FGF R2 (IIIb)/Fc Chimera, FGF R2 (IIIc)/Fc Chimera, Klotho tm mouse FGF R2 (IIIb)/Fc Chimera, FGF R2 (IIIc)/Fc Chimera
Target Name	FGF21
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	31.3 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants

Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	Fibroblast growth factor 21; FGF-21

Application Instructions

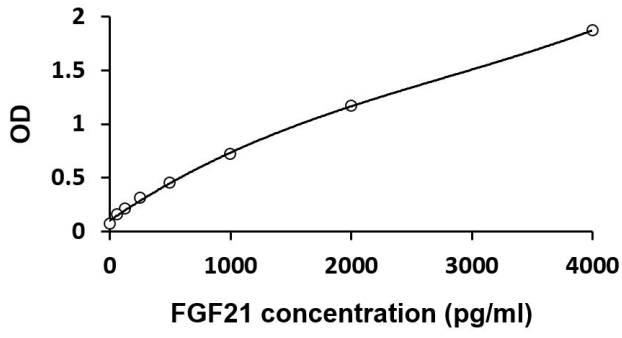
Assay Time	4 hours
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Properties

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

Database links	GeneID: 26291 Human Swiss-port # Q9NSA1 Human
Gene Symbol	FGF21
Gene Full Name	fibroblast growth factor 21
Background	FGF-21 is a secreted growth factor that is a member of the FGF family. Proteins of this family play a central role during prenatal development and postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-21, in the presence of betaKlotho as a protein cofactor, signals through the FGFR 1c and 4 receptors and stimulates insulin independent glucose uptake by adipocytes. Recombinant human FGF-21 is a 19.5 kDa protein containing 182 amino acid residues.
Highlight	Related products: FGF21 antibodies ; FGF21 ELISA Kits ; FGF21 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Signaling Transduction kit



ARG80158 Human FGF21 ELISA Kit standard curve image

ARG80158 Human FGF21 ELISA Kit results of a typical standard run with optical density reading at 450 nm.