

ARG82107 Rat FGF21 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82107-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82107-002	Standard	2 X 10 ng/vial	4°C
ARG82107-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82107-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82107-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82107-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82107-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82107-008	25X Wash buffer	20 ml	4°C
ARG82107-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82107-010	STOP solution	10 ml (Ready to use)	4°C
ARG82107-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82107 Rat FGF21 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat FGF21 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FGF21
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7%; Inter-Assay CV: 6.2%
Alternate Names	Fibroblast growth factor 21; FGF-21

Application Instructions

Assay Time	~ 5 hours
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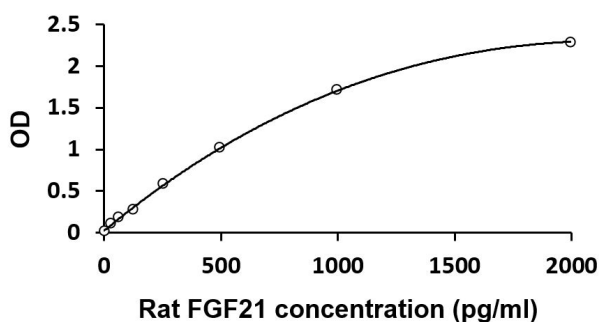
Properties

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	FGF21
Gene Full Name	fibroblast growth factor 21
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. The function of this growth factor has not yet been determined. [provided by RefSeq, Jul 2008]
Function	Stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression (but not SLC2A4/GLUT4 expression). Activity requires the presence of KLB. [UniProt]
Highlight	Related products: FGF21 antibodies ; FGF21 ELISA Kits ; FGF21 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82107 Rat FGF21 ELISA Kit standard curve image

ARG82107 Rat FGF21 ELISA Kit results of a typical standard run with optical density reading at 450 nm.