

ARG81959 Rat GDF15 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81959-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81959-002	Standard	2 X 10 ng/vial	4°C
ARG81959-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81959-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81959-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81959-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81959-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81959-008	25X Wash buffer	20 ml	4°C
ARG81959-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81959-010	STOP solution	10 ml (Ready to use)	4°C
ARG81959-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81959 Rat GDF15 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat GDF15 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	GDF15
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: 4.4%; Inter-Assay CV: 5.3%
Alternate Names	Growth/differentiation factor 15; GDF-15; Placental TGF-beta; NAG-1; Macrophage inhibitory cytokine 1; MIC1; NSAID-activated gene 1 protein; PTGFB; NRG-1; MIC-1; PLAB; NSAID-regulated gene 1 protein; PDF; Prostate differentiation factor; Placental bone morphogenetic protein

Application Instructions

Assay Time	~ 5 hours
------------	-----------

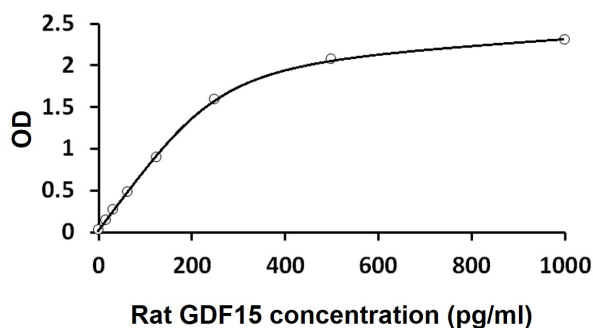
Properties

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	GDF15
Gene Full Name	growth differentiation factor 15
Background	The protein encoded by this gene belongs to the transforming growth factor-beta (TGF-beta) family. The protein is expressed in a broad range of cell types, acts as a pleiotropic cytokine and is involved in the stress reponse program of cells after cellular injury. Increased protein levels are associated with disease states such as tissue hypoxia, inflammation, acute injury and oxidative stress. [provided by RefSeq, Sep 2015]
Highlight	Related products: GDF15 antibodies ; GDF15 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81959 Rat GDF15 ELISA Kit standard curve image

ARG81959 Rat GDF15 ELISA Kit results of a typical standard run with optical density reading at 450 nm.