

ARG81951 Mouse Artemin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81951-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81951-002	Standard	2 X 10 ng/vial	4°C
ARG81951-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81951-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81951-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81951-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81951-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81951-008	25X Wash buffer	20 ml	4°C
ARG81951-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81951-010	STOP solution	10 ml (Ready to use)	4°C
ARG81951-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81951 Mouse Artemin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Artemin in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Artemin
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: 5.4%; Inter-Assay CV: 6.0%
Alternate Names	ENOVIN; Neublastin; EVN; Artemin; Enovin; NBN

Application Instructions

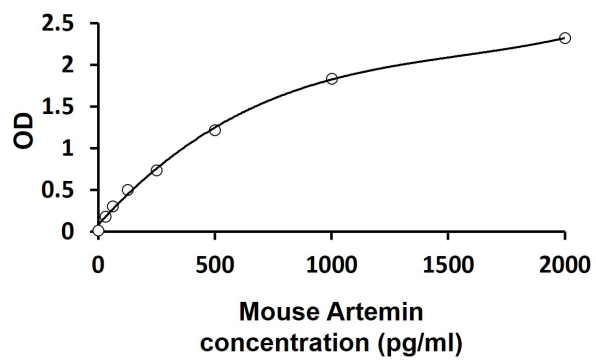
Assay Time	~ 5 hours
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Properties

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	ARTN
Gene Full Name	artemin
Background	The protein encoded by this gene is a member of the glial cell line-derived neurotrophic factor (GDNF) family of ligands which are a group of ligands within the TGF-beta superfamily of signaling molecules. GDNFs are unique in having neurotrophic properties and have potential use for gene therapy in neurodegenerative disease. Artemin has been shown in culture to support the survival of a number of peripheral neuron populations and at least one population of dopaminergic CNS neurons. Its role in the PNS and CNS is further substantiated by its expression pattern in the proximity of these neurons. This protein is a ligand for the RET receptor and uses GFR-alpha 3 as a coreceptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]
Function	Ligand for the GFR-alpha-3-RET receptor complex but can also activate the GFR-alpha-1-RET receptor complex. Supports the survival of sensory and sympathetic peripheral neurons in culture and also supports the survival of dopaminergic neurons of the ventral mid-brain. Strong attractant of gut hematopoietic cells thus promoting the formation Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue. [UniProt]
Highlight	Related products: Artemin antibodies ; Artemin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81951 Mouse Artemin ELISA Kit standard curve image

ARG81951 Mouse Artemin ELISA Kit results of a typical standard run with optical density reading at 450 nm.