

ARG82404 Human ARMET ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82404-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82404-002	Standard	2 X 10 ng/vial	4°C
ARG82404-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82404-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82404-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82404-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82404-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82404-008	25X Wash buffer	20 ml	4°C
ARG82404-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82404-010	STOP solution	10 ml (Ready to use)	4°C
ARG82404-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82404 Human ARMET ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human ARMET in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	ARMET
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.8 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.8% Inter-Assay CV: 6.4%

Alternate Names	ARP; Arginine-rich protein; Protein ARMET; ARMET; Mesencephalic astrocyte-derived neurotrophic factor
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Application Instructions

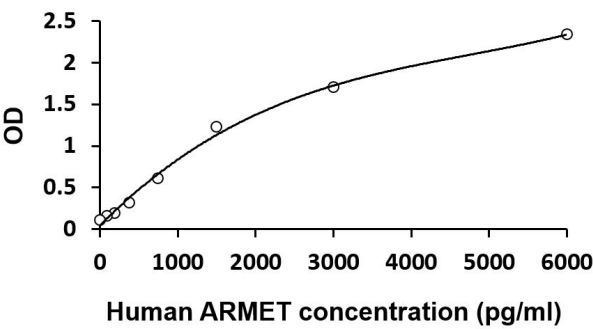
Assay Time	~ 5 hours
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Properties

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	MANF
Gene Full Name	mesencephalic astrocyte-derived neurotrophic factor
Background	The protein encoded by this gene is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing expression of this gene increases susceptibility to ER stress-induced death and results in cell proliferation. Activity of this protein is important in promoting the survival of dopaminergic neurons. The presence of polymorphisms in the N-terminal arginine-rich region, including a specific mutation that changes an ATG start codon to AGG, have been reported in a variety of solid tumors; however, these polymorphisms were later shown to exist in normal tissues and are thus no longer thought to be tumor-related. [provided by RefSeq, Apr 2014]
Function	Selectively promotes the survival of dopaminergic neurons of the ventral mid-brain. Modulates GABAergic transmission to the dopaminergic neurons of the substantia nigra. Enhances spontaneous, as well as evoked, GABAergic inhibitory postsynaptic currents in dopaminergic neurons (By similarity). Inhibits cell proliferation and endoplasmic reticulum (ER) stress-induced cell death. [UniProt]
Highlight	Related products: ARMET antibodies ; ARMET ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	May contain sialic acid residues. [UniProt]
Cellular Localization	Secreted. Endoplasmic reticulum lumen. Sarcoplasmic reticulum lumen. Note=Retained in the endoplasmic reticulum (ER), and sarcoplasmic reticulum (SR) under normal conditions (PubMed:22637475). Up-regulated and secreted by the ER/SR in response to ER stress and hypoxia (PubMed:22637475, PubMed:29497057). [UniProt]



ARG82404 Human ARMET ELISA Kit standard curve image

ARG82404 Human ARMET ELISA Kit results of a typical standard run with optical density reading at 450 nm.