

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

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 MANF

Gene Full Name mesencephalic astrocyte-derived neurotrophic factor

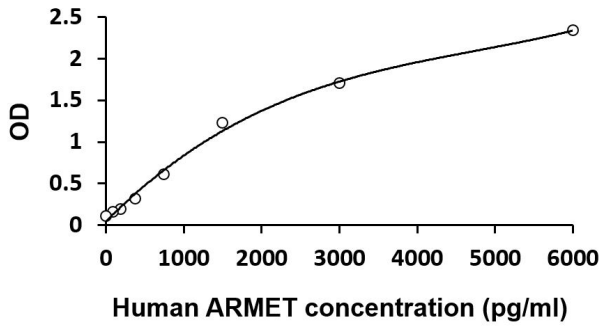
Background The protein encoded by this gene is localized in the endoplasmic reticulum (ER) and golgi, and is also secreted. Reducing expression of this gene increases susceptibility to ER stress-induced death and results in cell proliferation. Activity of this protein is important in promoting the survival 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.