

Artemin ELISA Kit | ARTN elisa kit

Human Artemin PicoKine ELISA Kit

CATALOG # AAA124860	REACTIVITY Human There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
-------------------------------	--	------------------------------

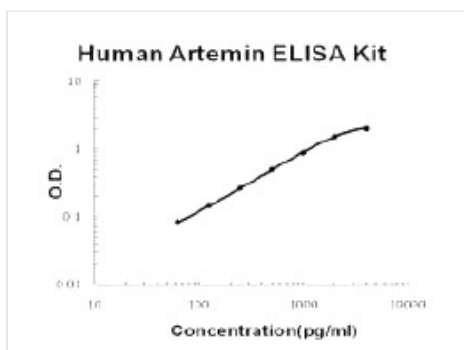
PRODUCT SYNONYMS

Artemin; Human Artemin PicoKine ELISA Kit; Enovin; Neublastin; ARTN; EVN; ARTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human Artemin
Sequence Length	228
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<2pg/ml
Applicable Applications for ARTN elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARTN elisa kit	Principle of the Assay: Human Artemin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Artemin has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli, Immunogen sequence: A108-G220) and test samples are added to the wells, a biotinylated detection biotinylated polyclonal antibody from goat specific for Artemin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Artemin amount of sample captured in plate. Background: Artemin, also known as enovin or neublastin, is a protein that in humans is encoded by the ARTN gene. This gene encodes a secreted ligand of the glial cell line-derived neurotrophic factor (GDNF) subfamily and TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein signals through the RET receptor and GFR alpha 3 coreceptor, and supports the survival of a number of peripheral neuron populations and at least one population of dopaminergic CNS neurons. This protein has also been shown to promote tumor growth, metastasis, and drug resistance in mammary carcinoma.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	209977029
NCBI GeneID	9048
NCBI Accession #	NP_001129687.1
NCBI GenBank Nucleotide #	NM_001136215.1
UniProt Accession #	Q5T4W7; O95441; O96030; Q6P6A3; D3DPY1; D3DPY3
Molecular Weight	23,616 Da
NCBI Official Full Name	artemin isoform 3
NCBI Official Synonym Full Names	artemin
NCBI Official Symbol	ARTN
NCBI Official Synonym Symbols	ART; EVN; NBN; ENOVIN
NCBI Protein Information	artemin
UniProt Protein Name	Artemin
UniProt Gene Name	ARTN
UniProt Synonym Gene Names	EVN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.