

Artemin ELISA Kit | artn elisa kit

Mouse Artemin PicoKine ELISA Kit

CATALOG # AAA124861	REACTIVITY Mouse There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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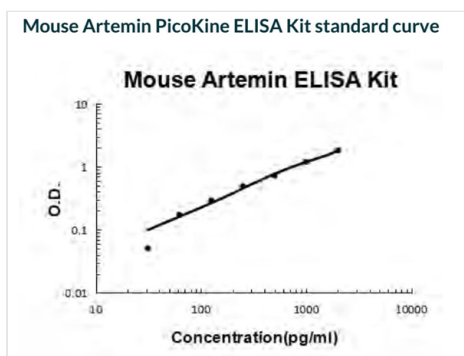
PRODUCT SYNONYMS

Artemin; Mouse Artemin PicoKine ELISA Kit; Artn; artn elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Mouse artn
Sequence Length	35
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/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 across 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	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. Principle of the Assay: The Picokine™ Mouse artn Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse artn with a 96-well strip plate that is pre-coated with antibody specific for artn. The detection antibody is a biotinylated antibody specific for artn. The capture antibody is monoclonal antibody from rat and the detection antibody is biotinylated polyclonal antibody from goat. The kit includes Mouse artn protein as standards. To measure Mouse artn, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse artn in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse artn in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	545746298
NCBI GeneID	11876
NCBI Accession #	NP_001271120.1
NCBI GenBank Nucleotide #	NM_001284191.1
UniProt Accession #	Q9Z0L2; Q3SXF4; Q3SXF5
Molecular Weight	3,544 Da
NCBI Official Full Name	artemin isoform 1 preproprotein
NCBI Official Synonym Full Names	artemin
NCBI Official Symbol	Artn
NCBI Official Synonym Symbols	neublastin
NCBI Protein Information	artemin
UniProt Protein Name	Artemin
UniProt Gene Name	Artn

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.

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Online datasheet: <https://stage.aaabiotech.com/artn-mouse-elisa-kits/artemin/124861>