

Mouse Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) ELISA Kit | MANF elisa kit

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CATALOG # AAA20813	REACTIVITY Mouse
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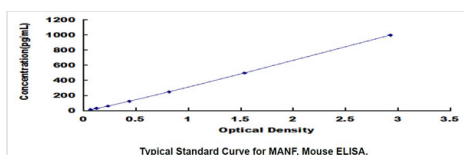
PRODUCT SYNONYMS

Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF); Mouse Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) ELISA Kit; ARMET; ARP; Arginine Rich Mutated In Early Stage Tumors; Arginine-rich protein; MANF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MANF. No significant cross-reactivity or interference between MANF and analogues was observed.
Sequence Length	179
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.1pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MANF were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MANF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MANF elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MANF. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MANF. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MANF, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MANF in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MANF in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for MANF elisa kit	Tumor immunity; Neuroscience
References	Mesencephalic astrocyte-derived neurotrophic factor restores blood-brain barrier integrity of aged mice after ischaemic stroke/reperfusion through anti-inflammation via TLR4/MyD88/NF-?B pathway; J Drug Target; 2022 Apr;30(4):430-441.; PMID: 34747270; Dan Han; Department of Pharmacy, Nanjing Drum Tower Hospital, The Affiliated Hospital of Nanjing University Medical School, Nanjing, China.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110625813
NCBI GeneID	74840
NCBI Accession #	NP_083379.2
NCBI GenBank Nucleotide #	NM_029103.3
Molecular Weight	20,374 Da
NCBI Official Full Name	mesencephalic astrocyte-derived neurotrophic factor
NCBI Official Synonym Full Names	mesencephalic astrocyte-derived neurotrophic factor
NCBI Official Symbol	Manf
NCBI Official Synonym Symbols	Armet; D17914; AA407711; AA408789; AA673178; D18Mgi17; 3230402M22Rik
NCBI Protein Information	mesencephalic astrocyte-derived neurotrophic factor
UniProt Protein Name	Mesencephalic astrocyte-derived neurotrophic factor
UniProt Gene Name	Manf
UniProt Synonym Gene Names	Armet
UniProt Entry Name	MANF_MOUSE

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/mouse-elisa-kits/mesencephalic-astrocyte-derived-neurotrophic-factor-manf/20813>