

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

Human Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) Mini Samples ELISA Kit

CATALOG # AAA188746	REACTIVITY Human	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

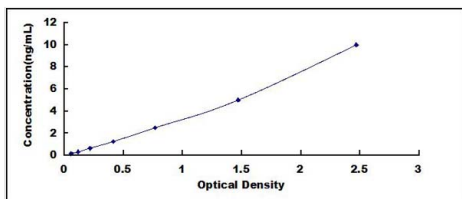
Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF). No significant cross-reactivity or interference between Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) and analogues was observed.
Sequence Length	185
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.055ng/mL
Applicable Applications for MANF elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (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 Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (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 Mini Samples Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	618857509
NCBI GeneID	7873
NCBI Accession #	NP_006001.4
NCBI GenBank Nucleotide #	NP_006001.4
UniProt Accession #	P55145
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	ARP; ARMET
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; ARP
UniProt Entry Name	MANF_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/mesencephalic-astrocyte-derived-neurotrophic-factor-manf/188746>