

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

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CATALOG # AAA185650	REACTIVITY Human
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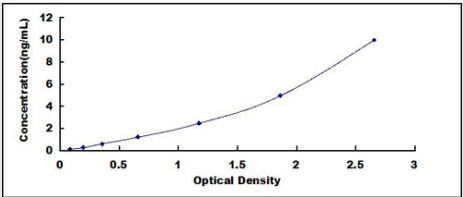
PRODUCT SYNONYMS

Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF). No significant cross-reactivity or interference between Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) and analogues was observed.
Sequence Length	182
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	< 0.056ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level 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 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%
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

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 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 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 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 $\pm$ 10nm. The concentration of Mesencephalic Astrocyte Derived Neurotrophic Factor (MANF) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	299523086
NCBI GeneID	7873
NCBI Accession #	NP_006001.3
NCBI GenBank Nucleotide #	NM_006010.4
UniProt Accession #	P55145; Q14CX4; Q86U67; Q96IS4
Molecular Weight	20,700 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	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

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.