

Human Microtubule-Associated Protein 2 (MAP-2) ELISA Kit | MAP-2 elisa kit

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CATALOG #
AAA331887

REACTIVITY
Human

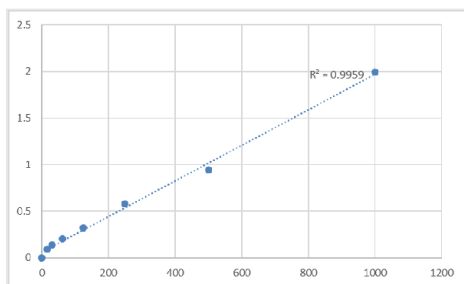
PRODUCT SYNONYMS

Microtubule-Associated Protein 2 (MAP-2); Human Microtubule-Associated Protein 2 (MAP-2) ELISA Kit; MAP2; DKFZp686I2148; MAP2A; MAP2B; MAP2C; OTTHUMP00000163916; MAP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Microtubule-associated protein 2 (MAP-2) ELISA Kit has high sensitivity and excellent specificity for detection of Human MAP2. No significant cross-reactivity or interference between Human MAP2 and analogues was observed.
Sequence Length	1827
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Microtubule-associated protein 2 (MAP-2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MAP-2 elisa kit	Description: This Human Microtubule-associated protein 2 (MAP-2) ELISA Kit employs a two-site sandwich ELISA to quantitate MAP2 in samples. An antibody specific for MAP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MAP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAP2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Microtubule-associated protein 2 is a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. MAP2 serves to stabilize microtubules (MT) growth by crosslinking MT with intermediate filaments and other MT. The products of similar genes in rat and mouse are neuron-specific cytoskeletal proteins that are enriched in dendrites, implicating a role in determining and stabilizing dendritic shape during neuron development. A number of alternatively spliced variants encoding distinct isoforms have been described.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	87578396
NCBI GeneID	4133
NCBI Accession #	NP_002365.3
NCBI GenBank Nucleotide #	NP_002365.3
UniProt Accession #	P11137
NCBI Official Full Name	microtubule-associated protein 2 isoform 1
NCBI Official Synonym Full Names	microtubule associated protein 2
NCBI Official Symbol	MAP2
NCBI Official Synonym Symbols	MAP-2; MAP2A; MAP2B; MAP2C
NCBI Protein Information	microtubule-associated protein 2
UniProt Protein Name	Microtubule-associated protein 2
UniProt Gene Name	MAP2
UniProt Synonym Gene Names	MAP-2
UniProt Entry Name	MTAP2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/microtubule-associated-protein-2-map-2/331887>