

Rat Microtubule-associated protein 2 ELISA Kit | MAP-2 elisa kit

Rat Microtubule-associated protein 2 ELISA Kit

CATALOG #
AAA83898

REACTIVITY
Rat

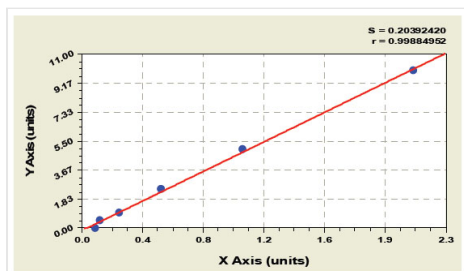
PRODUCT SYNONYMS

Microtubule-associated protein 2; Rat Microtubule-associated protein 2 ELISA Kit; MAP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This MAP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MAP2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAP-2 elisa kit

Principle of the assay: MAP2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MAP2. Standards or samples are then added to the microtiter plate wells and MAP2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MAP2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MAP2 are added to each well to "sandwich" the MAP2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MAP2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAP2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	87578396
NCBI GeneID	4133
NCBI Accession #	NP_002365.3
NCBI GenBank Nucleotide #	NM_002374.3
Molecular Weight	58,954 Da
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	MAP2A; MAP2B; MAP2C
NCBI Protein Information	microtubule-associated protein 2; MAP-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/map-2-rat-elisa-kits/microtubule-associated-protein-2/83898>