

Rat Microtubule-associated protein 1B ELISA Kit | MAP1B elisa kit

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CATALOG #
AAA95763

REACTIVITY
Rat

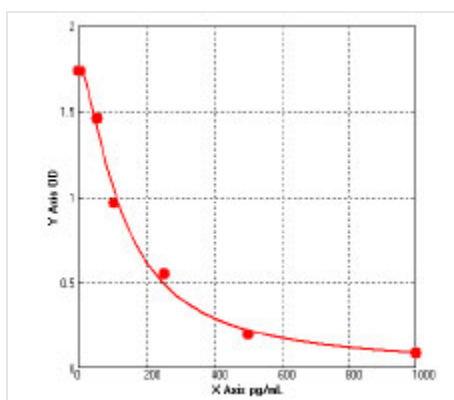
PRODUCT SYNONYMS

Microtubule-associated protein 1B; Rat Microtubule-associated protein 1B ELISA Kit; MAP1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAP1B elisa kit

Intended Uses: This MAP1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MAP1B. This ELISA kit for research use only!

Principle of the Assay: MAP1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MAP1B antibody and an MAP1B-HRP conjugate. The assay sample and buffer are incubated together with MAP1B-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MAP1B concentration since MAP1B from samples and MAP1B-HRP conjugate compete for the anti-MAP1B antibody binding site. Since the number of sites is limited, as more sites are occupied by MAP1B from the sample, fewer sites are left to bind MAP1B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MAP1B concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153945728
NCBI GeneID	4131
NCBI Accession #	NP_005900.2
NCBI GenBank Nucleotide #	NM_005909.3
Molecular Weight	270,634 Da
NCBI Official Full Name	microtubule-associated protein 1B
NCBI Official Synonym Full Names	microtubule-associated protein 1B
NCBI Official Symbol	MAP1B
NCBI Official Synonym Symbols	MAP5; FUTSCH; PPP1R102
NCBI Protein Information	microtubule-associated protein 1B; MAP-1B; protein phosphatase 1, regulatory subunit 102
UniProt Protein Name	Microtubule-associated protein 1B
UniProt Gene Name	MAP1B
UniProt Synonym Gene Names	MAP-1B
UniProt Entry Name	MAP1B_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.