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

Guinea pig Microtubule-associated protein 1B ELISA Kit

CATALOG #	REACTIVITY
AAA95158	**Guinea Pig**

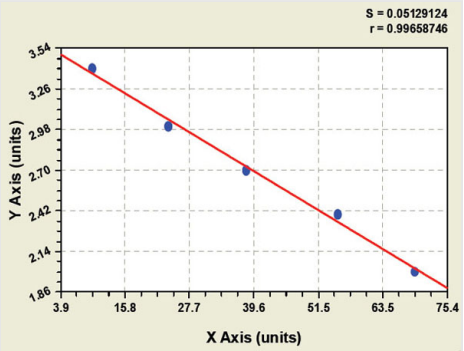
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	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 Guinea pig MAP1B. This ELISA kit for research use only! **Principle of the Assay:** MAP1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.
Product Categories/Family for MAP1B elisa kit	Neurobiology

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.

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Online datasheet: https://stage.aaabiotech.com/map1b-guinea-pig-pig-elisa-kits/microtubule-associated-protein-1b/95158