Mouse Microtubule-associated protein 1A (MAP1A) ELISA Kit

Catalog No: #EK9942

Package Size: #EK9942-1 48T #EK9942-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse Microtubule-associated protein 1A (MAP1A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	FLJ77111; MAP1L; MTAP1A; microtubule-associated protein 1-like
Accession No.	Q9QYR6
Uniprot	Q9QYR6
GeneID	17754;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MAP1A in samples. An antibody specific for MAP1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAP1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAP1A 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 MAP1A bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:These proteins have been divided into 2 main groups by molecular mass, high molecular weight MAPs, which include MAP1A, MAP1B, and MAP2, and another group of intermediate-sized proteins, which include the abundant tau MAPs. MAP1B, also named MAP5, is a component of long cross-bridges between microtubules and is a filamentous molecule with a small spherical segment at one end.Lien et al. (1994) completely cloned and sequenced the human MAP1B gene. By comparison of human MAP1B with sequence databases, they identified a MAP1B-related gene that is probably the human homolog of rat MAP1A. The human MAP0A gene is expressed at high levels in brain and spinal cord and at much lower levels in muscle.

Note: This product is for in vitro research use only