

Mouse Microtubule Associated Protein Tau (MAPt) ELISA Kit | MAPt elisa kit

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CATALOG #
AAA64170

REACTIVITY
Mouse

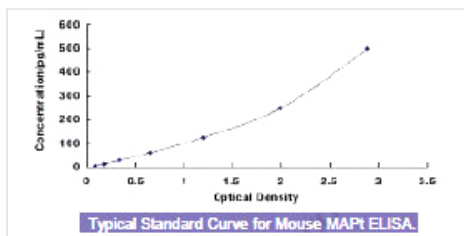
PRODUCT SYNONYMS

Microtubule Associated Protein Tau (MAPt); Mouse Microtubule Associated Protein Tau (MAPt) ELISA Kit; DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; Neurofibrillary tangle protein; Tau Protein; Paired helical filament-tau; G Protein Beta1/Gamma2 Subunit-Interacting Factor 1; MAPt elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MAPt. No significant cross-reactivity or interference between MAPt and analogues was observed.
Sequence Length	430
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	7.81-500pg/mL
Sensitivity	2.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAPt were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAPt were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAPt elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MAPt in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MAPt. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MAPt. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MAPt, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MAPt in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84370347
NCBI GeneID	17762
NCBI Accession #	NP_001033698.1
NCBI GenBank Nucleotide #	NM_001038609.2
UniProt Accession #	P10637; P10638; Q60684; Q60685; Q60686; Q62286; Q91WK4; A2A5Y9
Molecular Weight	36,740 Da
NCBI Official Full Name	microtubule-associated protein tau isoform a
NCBI Official Synonym Full Names	microtubule-associated protein tau
NCBI Official Symbol	Mapt
NCBI Official Synonym Symbols	Tau; Mtapt; AI413597; AW045860
NCBI Protein Information	microtubule-associated protein tau
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	Mapt
UniProt Synonym Gene Names	Mtapt; Tau; PHF-tau

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/mouse-elisa-kits/microtubule-associated-protein-tau-mapt/64170>