

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

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CATALOG #
AAA140309

REACTIVITY
Rat

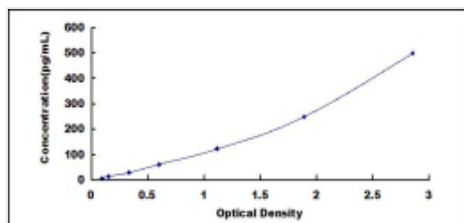
PRODUCT SYNONYMS

Microtubule Associated Protein Tau (MAPt); Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Microtubule Associated Protein Tau (MAPt). No significant cross-reactivity or interference between Microtubule Associated Protein Tau (MAPt) and analogues was observed.
Sequence Length	416
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.066ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Microtubule Associated Protein Tau (MAPt) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Microtubule Associated Protein Tau (MAPt) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAPt elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Microtubule Associated Protein Tau (MAPt). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Microtubule Associated Protein Tau (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 Microtubule Associated Protein Tau (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 Microtubule Associated Protein Tau (MAPt) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MAPt elisa kit	Metabolic pathway; Neuroscience; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806547
NCBI GeneID	281296
NCBI Accession #	NP_776531.1
NCBI GenBank Nucleotide #	NM_174106.2
UniProt Accession #	P29172; P29173; Q28185; Q28186; Q28187; Q28188; Q28189; Q28190; Q32KT2
Molecular Weight	43,806 Da
NCBI Official Full Name	microtubule-associated protein tau
NCBI Official Symbol	MAPT
NCBI Official Synonym Symbols	tau
NCBI Protein Information	microtubule-associated protein tau
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	MAPT
UniProt Synonym Gene Names	TAU; PHF-tau
UniProt Entry Name	TAU_BOVIN

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.