Human Microtubule-associated protein tau ELISA Kit | MAPT elisa kit

Human Microtubule-associated protein tau ELISA Kit

CATALOG #	REACTIVITY
AAA98593	**Human**

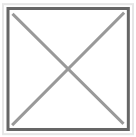
PRODUCT SYNONYMS

Microtubule-associated protein tau; Human Microtubule-associated protein tau ELISA Kit; MAPT (Microtubule-associated protein tau)/TAU/MSTD/PPND/DDPAC/MAPTL/MTBT1/MTBT2/FTDP-17/Neurofibrillary tangle protein/Paired helical filament-tau; MAPT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MAP4K1. No significant cross-reactivity or interference between MAP4K1 and analogues was observed.
Sequence Length	758
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MAP4K1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MAP4K1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAPT elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MAP4K1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MAP4K1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MAP4K1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MAP4K1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	294862261
NCBI GeneID	4137
NCBI Accession #	NP_058519.3
NCBI GenBank Nucleotide #	NM_016835.4
Molecular Weight	80,941 Da
NCBI Official Full Name	microtubule-associated protein tau isoform 1
NCBI Official Synonym Full Names	microtubule associated protein tau
NCBI Official Symbol	MAPT
NCBI Official Synonym Symbols	TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; PPP1R103
NCBI Protein Information	microtubule-associated protein tau
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	**MAPT**
UniProt Synonym Gene Names	MAPTL; MTBT1; TAU; PHF-tau
UniProt Entry Name	TAU_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/mapt-human-elisa-kits/microtubule-associated-protein-tau/98593