

Mouse p-tau181 (Phospho Tau 181) ELISA Kit | p-tau181 elisa kit

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CATALOG #
AAA251001

REACTIVITY
Mouse

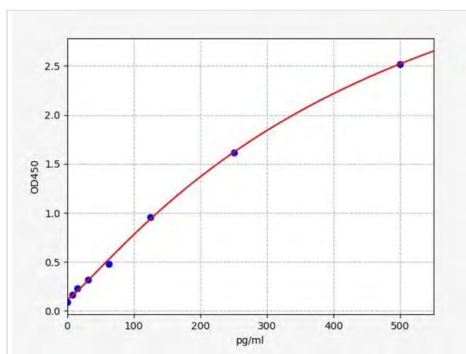
PRODUCT SYNONYMS

p-tau181 (Phospho Tau 181); Mouse p-tau181 (Phospho Tau 181) ELISA Kit; p-tau181; Phospho Tau 181; Neurofibrillary tangle protein; Paired helical filament-tau (PHF-tau); Mapt; Microtubule-associated protein tau; p-tau181 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize p-tau181, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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 p-tau181 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti p-tau181 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti p-tau181 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with p-tau181 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of p-tau181 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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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.