

Porcine phosphorylated microtubule Associated protein tau ELISA Kit | pMAPT/pTAU elisa kit

Porcine phosphorylated microtubule Associated protein tau ELISA Kit

CATALOG # AAA246354	REACTIVITY Porcine
-------------------------------	------------------------------

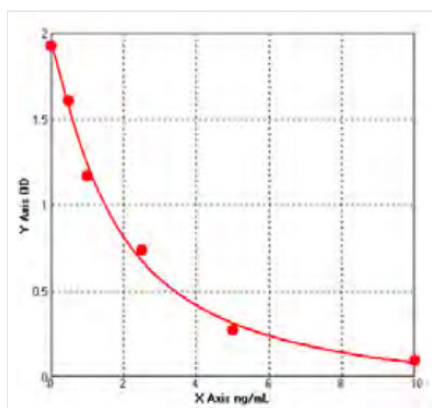
PRODUCT SYNONYMS

phosphorylated microtubule Associated protein tau; Porcine phosphorylated microtubule Associated protein tau ELISA Kit; pMAPT/pTAU elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of PmaTAU. No significant cross-reactivity or interference between PmaTAU and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PmaTAU and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for pMAPT/pTAU elisa kit	Principle of the Assay: PmaTAU ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PmaTAU antibody and an PmaTAU-HRP conjugate. The assay sample and buffer are incubated together with PmaTAU-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PmaTAU concentration since PmaTAU from samples and PmaTAU-HRP conjugate compete for the anti-PmaTAU antibody binding site. Since the number of sites is limited, as more sites are occupied by PmaTAU from the sample, fewer sites are left to bind PmaTAU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PmaTAU concentration in each sample is interpolated from this standard curve. Intended Uses: This PmaTAU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PmaTAU. This ELISA kit for research use only, not for therapeutic or test applications!
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	672069501
NCBI GeneID	29477
NCBI Accession #	XP_008766504.1
NCBI GenBank Nucleotide #	XM_008768282.1
Molecular Weight	81,185 Da
NCBI Official Full Name	microtubule-associated protein tau isoform X14
NCBI Official Synonym Full Names	microtubule-associated protein tau
NCBI Official Symbol	Mapt
NCBI Official Synonym Symbols	pTau; Mtapt; RNPTAU
NCBI Protein Information	microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; Tau microtubule-associated protein
UniProt Protein Name	Microtubule-associated protein tau
UniProt Gene Name	Mapt
UniProt Synonym Gene Names	Mtapt; Tau; PHF-tau
UniProt Entry Name	TAU_RAT

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.