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## Mouse Anti-human Thr181 phosphorylated Tau Antibody Datasheet

## Product Name: mAb anti-human Thr181 phosphorylated Tau Clone No.: 1A4

## Catalogue No.: MO-M40099A

## Quantity: 0.5 mg/vial

Description:	Mouse monoclonal antibody against		is stabilizing the microtubule in nerve fibre
	Thr181 phosphorylated Tau protein		(axon). There are six tau isoforms which
Purification:	Protein G affinity purified		are formed by alternate splicing.
runneación.	riotein d'annity purned		Hyperphosphorylation of Tau protein
Target Protein:	Human Thr181 phosphorylated Tau		results in aggregation and formation of
U	,		neurofibrillary tangles, which is
Immunogen:	KLH conjugated with a short peptide [Ala-		significantly associated with cognitive
	Pro-Lys-Thr(p)-Pro-Pro-Ser-Ser-Gly-Glu-		impairment in Alzheimer's disease. Tau
	Cys], corresponding to the amino acid		Thr181 phosphorylation has been used as
	sequence 177-187 on the phosphorylated		a biomarker for the differentiation of
	Tau protein.		Alzheimer's disease and other primary
			dementia such as dementia with Lewy
Fusion	Sp2/0-Ag14		bodies.
Myeloma:		Applications:	Indirect ELISA: The antibody reacts with
Specificity:	This antibody reacts with the	Applications.	phosphorylated peptide [Ala-Pro-Lys-
opechicity.	unconjugated Thr181 phosphorylated Tau		Thr(p)-Pro-Pro-Ser-Ser-Gly-Glu-Cys] coated
	peptide.		ELISA plate in indirect ELISA. Cross-
	peptide.		reactivity with un-phosphorylated peptide
Species	Human, mouse		is very low.
Reactivity:			15 VCI Y 10W.
			Western Blot: The antibody detected a
Host / Isotype:	Mouse/ IgG2a, κ		46kD band in mouse brain tissue lysate.
Formulation:	luonhilized from a colution in 0.01M DBC		
Formulation:	Lyophilized from a solution in 0.01M PBS		46KD
	рН7.2		
Reconstitution:	Double distilled water is recommended to		
	adjust the final concentration to		
	1.00mg/mL. Avoid repeated freeze and		-
	thaw cycle.		
			Detect the mouse brain tissue lysates
Storage:	Store at -20°C		using antibody (Tau-pho181 1A4) at
			1:2000 (0.5 μg/mL) dilution
Research Area:	Alzheimer's disease and other	Defenences	If we could be multiplied uping this word upt
	neurodegenerative diseases	References:	If research is published using this product, please inform Anogen in order to cite the
Background:	Tau is a highly soluble microtubule		
Sacing Contras	associated protein found in high		reference on this datasheet. Anogen will provide one unit of product in the same
	concentration in neuron of central nervous		category as gratitude.
	system. The main function of the protein		כמנפצטו א מא צו מוונטעל.
This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administrated to human and			
animals for use in diagnostic and therapeutic procedures.			

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