Store at -20C	Phospho-Tau ( Pair	Thr181)	Matched /	Antibody	
#58187	<b>Species Cross Reactivity:</b> H M R	<b>UniProt ID:</b> #P10636-8	Entrez-Gene Id: #4137		3 Trask Lane



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## For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes	Product #	Quantity	Isotype/Source		
Tau (D1M9X) XP <sup>®</sup> Rabbit mAb (BSA and	29384	100 µg	Rabbit IgG		
Phospho-Tau (Thr181) (E4G7X) Rabbit	44734	100 µg	Rabbit IgG		
Description	The Phospho-Tau (Thr181) Matched Anti high throughput ELISA platforms requiri Labels include fluorophores, lanthanides Antibody Pairs include MSD, Quanterix S HTRF), and Luminex.	ng antibody pairs with s, biotin, and beads. Pla	specialized or o atforms requirir	custom antibody labeling ng conjugated Matched	
	Learn how Matched Antibody Pairs move antibody-pairs.	e your projects forward	l, faster at cst-so	cience.com/matched-	
Specificity/Sensitivity	This kit detects proteins from the indicated species, as determined through in-house testing, but may also detect homologous proteins from other species.				
Storage	Store at -20°C. <i>This product will freeze at -20°C so it is recommended to aliquot into single-use vials to avoid multiple freeze/thaw cycles</i> . A slight precipitate may be present and can be dissolved by gently vortexing. This will not interfere with antibody performance.				
Directions for Use	Matched Antibody Pairs include capture and detection antibodies to non-overlapping epitopes. Optimal dilutions/concentrations should be determined by the end user.				
Formulation	Supplied in 1X PBS (10 mM Na <sub>2</sub> HPO <sub>4</sub> , 3 mM KCl, 2 mM KH <sub>2</sub> PO <sub>4</sub> , and 140 mM NaCl (pH 7.8)). BSA and Azide Free.				
Background	assembly, especially in axons. Six isoforr of tandem repeats near the carboxy terr approximately 25 sites by Erk, glycogen decreases the ability of tau to bind to mi Alzheimer's disease (AD); these tangles a hyperphosphorylated tau. In particular, p microtubules. Furthermore, research stu	neous microtubule-associated protein that promotes and stabilizes microtubule Ily in axons. Six isoforms with different amino-terminal inserts and different numbers is near the carboxy terminus have been identified, and tau is hyperphosphorylated at sites by Erk, glycogen synthase kinase-3 (GSK-3), and CDK5 (1,2). Phosphorylation ity of tau to bind to microtubules. Neurofibrillary tangles are a major hallmark of se (AD); these tangles are bundles of paired helical filaments (PHFs) composed of ted tau. In particular, phosphorylation at Ser396 by GSK-3 or CDK5 destabilizes thermore, research studies have shown that inclusions of tau are found in a number generative diseases, collectively known as tauopathies (1,3).			
Background References	4) <i>J Cell Sci</i> 117, 5721-9. 71, 2465-76. , 1089-99.				
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