

**FUJIFILM****Wako**Code No. 011-26891 (10  $\mu$ L)  
017-26893 (50  $\mu$ L)**Anti Human/Mouse/Rat Tau,  
Rat Monoclonal Antibody (RTM38)****抗ヒト/マウス/ラット Tau,  
ラットモノクローナル抗体 (RTM38)****Background**

Tau is a microtubule-associated protein, mainly expressed in neurons in the central nervous system, and regulates stabilization of microtubules<sup>1)</sup>. In the brain of Alzheimer's disease patients, neurofibrillary tangles are formed which are composed of accumulated phosphorylated forms of Tau<sup>1)</sup>. The degree of these tangles correlates to the severity of dementia<sup>1)</sup>. Based on this finding, Tau has been investigated to find out the etiology and to discover drugs for Alzheimer's disease. This product is a rat monoclonal antibody that specifically recognizes human, mouse and rat Tau<sup>2)</sup>.

**Description**

<b>[Reactivity]</b>	Reacts with human, mouse and rat Tau
<b>[Antigen]</b>	Recombinant full length of mouse Tau 0N4R isoform
<b>[Species cross reactivity]</b>	Human, Mouse, and Rat
<b>[Epitope]</b>	C-terminal region of Tau (417-441 a.a.)
<b>[Clone No.]</b>	RTM38
<b>[Host]</b>	Rat
<b>[Isotype]</b>	IgG2a $\cdot$ $\kappa$
<b>[Purification]</b>	Purified from hybridoma supernatant using proteinG agarose
<b>[Concentration]</b>	Indicated on the label
<b>[Formulation]</b>	PBS with 50% glycerol and 0.05% sodium azide

**Applications**

Western Blot	1 : 1,000-2,000
Immunohistochemistry* (freeze, paraffin, vibratome)	1 : 200
Immunocytochemistry	1 : 500

\* Antigen retrieval is not recommended. It may increase the background.

Optimal concentration should be determined by each laboratory for each application.

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**Storage**

Store at -20  $^{\circ}$ C.  
Avoid repeated freeze and thaw.

**Package**

Code No.	Packaging
011-26891	10 $\mu$ L
017-26893	50 $\mu$ L

**Reference**

- 1) Liu, F., *et al.* : *Mol Neurodegener.* **3**, 8 (2008).
- 2) Kubo, A., *et al.* : *J. Comp. Neurol.*, **527**, 985 (2019).

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