

**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.

**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>              | TBS with 50% glycerol and 0.05% sodium azide               |

**Applications**

|  |                 |
|--|-----------------|
| Western Blot   | 1 : 1,000-2,000 |
| Immunohistochemistry*<br>(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.

**Storage**

Store at -20 °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).

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