

**FUJIFILM****Wako**Code No. 013-26591 (50  $\mu$ L)  
019-26593 (10  $\mu$ L)**Anti 4R-Tau, Monoclonal Antibody (3E8-1A6)**  
**抗 4R-Tau, モノクローナル抗体 (3E8-1A6)****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. The degree of these tangles correlates to 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. Tau is classified into 3R-Tau and 4R-Tau which has 3 and 4 microtubules associated domains, respectively<sup>1)</sup>. This product is an antibody that specifically recognizes 4R-Tau.

**Description**

<b>[Reactivity]</b>	Reacts with 4R-Tau
<b>[Antigen]</b>	273-291 a.a. of Human Tau. GKVQIINKKLDLSNVQSKC
<b>[Species cross reactivity]</b>	Human
<b>[Clone No.]</b>	3E8-1A6
<b>[Host]</b>	Mouse
<b>[Isotype]</b>	IgG1 $\cdot$ $\kappa$
<b>[Purification]</b>	Protein A-affinity purified
<b>[Concentration]</b>	1 mg/mL
<b>[Formulation]</b>	PBS with 50% Glycerol and 0.05% ProClin 300

**Applications**

Western Blot	1 : 1,000-2,000
Immunoprecipitation	1 : 100

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
013-26591	50 $\mu$ L
019-26593	10 $\mu$ L

**Reference**

1) Liu, F., *et al.* : *Mol Neurodegener.* **3**, 8 (2008).

**FUJIFILM Wako Pure Chemical Corporation**

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan  
Telephone : + 81-6-6203-3741  
Facsimile : + 81-6-6201-5964  
<http://www.wako-chem.co.jp>

**FUJIFILM Wako Chemicals U.S.A. Corporation**

1600 Bellwood Road  
Richmond, VA 23237  
U.S.A.  
Telephone : + 1-804-271-7677  
Facsimile : + 1-804-271-7791  
<http://www.wakousa.com>

**FUJIFILM Wako Chemicals Europe GmbH**

Fuggerstrasse 12  
D-41468 Neuss  
Germany  
Telephone : + 49-2131-3111-0  
Facsimile : + 49-2131-311100  
<http://www.wako-chemicals.de>