

Code No. 10235

**Anti-Human
Tau/Amino Junction (1A1) Mouse IgG MoAb**Volume : 100 µg
Lot No : 0F-324

Introduction : Tau protein is a microtubule-associated protein expressed in neuroaxon and has molecular weight of 50~70 kDa. Some Alzheimer's patients have sites where tau protein is accumulated abnormally. It is known that six isoforms of tau protein formed by alternative splicing of tau gene located on chromosome 17. This monoclonal antibody can specifically recognize junction between exon 2 and 4 of both Tau 381 and Tau 412, and it is useful for the study of brain research.

Antigen : Synthetic peptide of part of Human Tau/E2 Junction (KSTPTAEAEAEAGIG)

Source : Mouse-Mouse hybridoma supernatant (X63-Ag8.653 X BALB/c)

Clone : 1A1 **Subclass :** IgG₁

Purification : Purified with Protein A

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1.0 ml distilled water will be added to the product, then the concentration comes to 100 ug/ml

Dilution : PBS (pH7.4) containing 1% BSA and 0.05% NaN₃

Stability : Lyophilized product, 5 years at 2 – 8
: Solution, 2 years at –20

Application : This antibody can be stained in formalin fixed paraffin embedded tissues after formic acid treatment*¹ by several Immunohistochemical techniques such as Avidin Bition Complex (ABC) Method. The optimal dilution is about 2 µg/ml, however, the dilution rate should be optimized by each laboratories.

*1: Rinsing by running water after formic acid treatment for 5 minutes following de-paraffin.

: This antibody can be used for western blotting in concentration of 1~5 µg /ml.

Specificity : This antibody react with Tau isoforms as following figure:

Side of C terminal		Tau 3 repeat			Tau 4 repeat		
Side of N terminal		Tau 352	Tau 381	Tau 410	Tau 383	Tau 412	Tau 441
Product Number	10233	+	-	-	+	-	-
	10235	-	+	-	-	+	-
	10237	+	+	+	+	+	+

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