

Code No. 10237

**Anti-Human
Tau/Repeat Domain (2B11) Mouse IgG MoAb**

Volume : 100 µg

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 1 and 4 of both Tau 352 and Tau 383, and it is useful for the study of brain research.

Antigen : Synthetic peptide of the Repeat Domain of human Tau (PGGGKVQIVYKP)

Source : Mouse-Mouse hybridoma
(X63 - Ag 8.653 × BALB/c mouse spleen cells)

Clone : 2B11 **Subclass** : IgG₁

Purification : Affinity purified with anti-mouse IgG

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

How to use : 1.0 mL deionized water will be added to the product, then its concentration comes to 100 µg/mL

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after formic acid treatment*¹, by several techniques. The optimal concentration is 5 µg/mL, however, the concentration should be optimized by each laboratory.

*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 3 - 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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