



Product Information Sheet

Monoclonal Anti-Tau

Catalogue No. MA1093

Lot No. 08A12

Clone: TAU-93

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunogen

Bovine microtubule-associated proteins (MAPs).

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect Tau in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect Tau in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

The microtubule-associated proteins (MAPs) coassemble with tubulin into microtubules in vitro. Microtubule-associated protein tau appears to be enriched in axons. Tau are composed of 352 to 441 amino acids. The isoforms differ from each other by the presence or absence of 29-amino acid or 58-amino acid inserts located in the N terminus and a 31-amino repeat located in the C terminus. tau is important in establishing and maintaining neuronal morphology and is a major component of the neurofibrillary tangles (NFTs) characteristic of Alzheimer's brain. Microtubule-associated protein tau (MTBT1) is mapped to chromosome 17q21

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.

REFERENCE

1. Andreadis, A.; Brown, W. M.; Kosik, K. S. : Structure and novel exons of the human tau gene. *Biochemistry* 31: 10626-10633, 1992.
2. Donlon, T. A.; Harris, P.; Neve, R. L. : Localization of microtubule-associated protein tau (MTBT1) to chromosome 17q21. (Abstract) *Cytogenet. Cell Genet.* 46: 607, 1987.