



Product Information Sheet

Monoclonal Anti-Tau - Magnetic Bead Conjugate

Catalogue No. MA1093-M

Immunogen

Bovine microtubule-associated proteins (MAPs).

Lot No. 08A12

Purification

Clone: TAU-93

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

Size: 200µl

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Recommended application

Immunoprecipitation(IP)

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

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.

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