



## Product Information Sheet

### Monoclonal Anti-Tau (Sephacose Bead Conjugate)

**Catalogue No.** MA1093-S

**Lot No.** 08A12

**Clone:** TAU-93

**Ig type:** mouse IgG1

**Size:** 200µl

**Specificity**

Human, mouse, rat.

No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Immunogen**

Bovine microtubule-associated proteins (MAPs).

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacose beads. It is useful for immunoprecipitation assays

**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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