

## Product Information Sheet

### Monoclonal Anti-MAP1- Magnetic Bead Conjugate

**Catalogue No.** MA1056-M

**Lot No.** 08A12

**Clone:** MP-1

**Ig type:** mouse IgG1

**Size:** 200µl

**Specificity**

Rat.

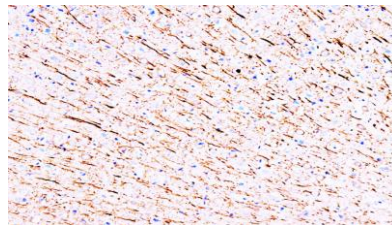
No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Storage**

Store at 4°C for frequent use.



**Immunogen**

Rat brain microtubule-associated proteins (MAPs)

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Formulation**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Description**

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

**BACKGROUND**

Microtubules are the ubiquitous cytoskeletal structural components that are involved in intracellular transport. They are composed of tubulin and microtubule-associated proteins(MAPs). MAP1 is one of the major neuronal MAPs as well as being the largest(350KD). MAPs include MAP1A, MAP1B , and MAP2. MAP1a is a single-copy gene spanning 10.5 kb. MAP1a coding sequence is contained in five exons. MAP1B is encoded as a polyprotein that is processed to form a complex N-terminal microtubule-binding domain.

**REFERENCE**

1. Fink, J. K.; Jones, S. M.; Esposito, C.; Wilkowski, J. : Human microtubule-associated protein 1a (MAP1A) gene: genomic organization, cDNA sequence, and developmental-and tissue-specific expression. *Genomics* 35: 577-585, 1996.
2. Ammarback, J. A.; Obar, R. A.; Hughes, S. M.; Vallee, R. B. : MAP1B is encoded as a polyprotein that is processed to form a complex N-terminal microtubule-binding domain. *Neuron* 7: 129-139, 1991.

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