



Product Information Sheet

Monoclonal Anti- α -Tubulin (Magnetic Bead conjugate)

Catalogue No. MA1107-M

Immunogen

Microtubules from chicken embryo brain.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: Tub-1

Ig type: mouse IgG1

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3 .

Size: 200 μ l

Specificity

Human, rat.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description

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

BACKGROUND

Alpha-tubulin (b-alpha-1) mRNA is expressed only in brain with a molecular weight of about 55,000. The 3-prime UTR of b-alpha-1 is more than 80% homologous to the UTR of the rat brain alpha-tubulin gene, IL-alpha-T1. B-alpha-1 encodes a predicted 451-amino acid protein that is 100% identical to the rat homolog and differs by only 2 and 3 amino acids from the pig and chicken homologs, respectively.

REFERENCE

1. Cowan, N. J.; Dobner, P. R.; Fuchs, E. V.; Cleveland, D. W. : Expression of human alpha-tubulin genes: interspecies conservation of 3-prime untranslated regions. *Molec. Cell. Biol.* 3: 1738-1745, 1983.
2. Hall, J. L.; Cowan, N. J. : Structural features and restricted expression of a human alpha-tubulin gene. *Nucleic Acids Res.* 13: 207-223, 1985.

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