



## Product Information Sheet

### Monoclonal Anti- $\gamma$ -Tubulin (Sepharose Bead Conjugate)

**Catalogue No.** MA1114-S

**Lot No.** 08A12

**Clone:** IMD-20

**Ig type:** mouse IgG1

**Size:** 200 $\mu$ l

**Specificity**

Human, rat.

No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Immunogen**

Synthetic  $\gamma$ -tubulin peptide (amino acids 38-53), conjugated to KLH.

**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 sepharose beads. It is useful for immunoprecipitation assays

**BACKGROUND**

Gamma-tubulin is a universal component of microtubule organizing centers, which is essential for nuclear division and microtubule assembly in *Aspergillus nidulans*. TUBG1 mapped to within 20 kb of TUBG2 at 17q21. gamma-tubulin is a minor protein, present at less than 1% the level of alpha- and beta-tubulin, and is limited to the centrosome. Gamma-tubulin is present in *Drosophila melanogaster* and *Homo sapiens*

**REFERENCE**

1. Rommens, J. M.; Durocher, F.; McArthur, J.; Tonin, P.; LeBlanc, J.-F.; Allen, T.; Samson, C.; Ferri, L.; Narod, S.; Morgan, K.; Simard, J. : Generation of a transcription map at the HSD17B locus centromeric to BRCA1 at 17q21. *Genomics* 28: 530-542, 1995.
2. Zheng, Y.; Jung, M. K.; Oakley, B. R. : Gamma-tubulin is present in *Drosophila melanogaster* and *Homo sapiens* and is associated with the centrosome. *Cell* 65: 817-823, 1991.
3. Stearns, T.; Evans, L.; Kirschner, M. : Gamma-tubulin is a highly conserved component of the centrosome. *Cell* 65: 825-836, 1991.

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