



## Product Information Sheet

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### Monoclonal Anti- $\gamma$ -Tubulin

**Catalogue No.** MA1114

**Lot No.** 08A12

**Clone:** IMD-20

**Ig type:** mouse IgG1

**Size:** 100 $\mu$ g/vial

**Specificity**

Human, rat.

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

To reorder contact us at:

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

**Immunogen**

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

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Application**

*Western blot*

At 0.25-0.5 $\mu$ g/ml with the appropriate system to detect  $\gamma$ -Tubulin in cells and tissues.

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Formulation**

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN<sub>3</sub> as preservative.

**Reconstitution**

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100 $\mu$ g/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

**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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