



## Product Information Sheet

### Monoclonal Anti-Gelsolin - conjugated to Magnetic Beads

**Catalogue No.** MA1044-M

**Immunogen**

Human plasma gelsolin.

**Lot No.** 08A12

**Purification**

**Clone:** GEL-42

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

**Size:** 200µl

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

**Specificity**

Human, rabbit, bovine.

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

Gelsolin, a protein of leukocytes, platelets, and other cells, severs actin filaments in the presence of submicromolar calcium, thereby solating cytoplasmic actin gels. A gelsolin variant with 23 more N-terminal amino acids is a plasma component probably involved in the clearance of actin, the most abundant human protein, from the circulation. Gelsolin is located in 9q34. Plasma and cytoplasmic gelsolins are encoded by a single gene and contain a duplicated actin-binding domain

### REFERENCE

1. Kwiatkowski, D. J.; Ozelius, L.; Schuback, D.; Gusella, J.; Breakefield, X. O. : The gelsolin (GSN) cDNA clone, from 9q32-34, identifies BclI and StuI RFLPs. *Nucleic Acids Res.* 17: 4425 only, 1989.
2. Kwiatkowski, D. J.; Westbrook, C. A.; Bruns, G. A. P.; Morton, C. C. : Localization of gelsolin proximal to ABL on chromosome 9. *Am. J. Hum. Genet.* 42: 565-572, 1988.
3. Kwiatkowski, D. J.; Stossel, T. P.; Orkin, S. H.; Mole, J. E.; Colten, H. R.; Yin, H. L. : Plasma and cytoplasmic gelsolins are encoded by a single gene and contain a duplicated actin-binding domain. *Nature* 323: 455-458, 1986.

For Research Use Only not for diagnostic and clinical use

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)