



## Product Information Sheet

### Monoclonal Anti-Tropomyosin (36kD) - Magnetic Bead Conjugate

**Catalogue No.** MA1096-M

**Immunogen**

Chicken gizzard tropomyosin.

**Lot No.** 08A12

**Purification**

**Clone:** TM-36

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG2a

**Formulation**

**Size:** 200µl

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

**Specificity**

Human, rabbit, chicken.

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

The tropomyosins are a family of actin filament binding proteins. These proteins were first isolated from skeletal muscle, but later identified in many nonmuscle tissues. Tropomyosins are ubiquitous proteins of 35 to 45 kD associated with the actin filaments of myofibrils and stress fibers. Vertebrates have at least 4 different tropomyosin genes; in humans, they are named TPM1, TPM2, TPM3, and TPM4. Tropomyosins expressed as different isoforms in muscle and non-muscle cells.

### REFERENCE

1. Lees-Miller, J. P.; Helfman, D. M. : The molecular basis for tropomyosin isoform diversity. *BioEssays* 13: 429-437, 1991.
2. Gariboldi, M.; Manenti, G.; Dragani, T. A.; Pierotti, M. A. : Chromosome mapping of nine tropomyosin-related sequences in mice. *Mammalian Genome* 6: 273-277, 1995.

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