



## Product Information Sheet

### Monoclonal Anti-Tropomyosin (36/39 kDa) (Sephacose Bead Conjugate)

**Catalogue No.** MA1095-S

**Immunogen**

Chicken gizzard tropomyosin.

**Lot No.** 08A12

**Purification**

**Clone:** TM-33

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Size:** 200µl

**Storage**

Store at 4°C for frequent use.

**Specificity**

Human, mouse, rat, chicken.

No cross reactivity with other proteins.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacose beads. It is useful for immunoprecipitation assays

**Recommended application**

*Immunoprecipitation(IP)*

**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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