



## Product Information Sheet

### Monoclonal Anti-Calmodulin (Sephacrose Bead Conjugate)

**Catalogue No.** MA1010-S

**Immunogen**

Preparation of purified calmodulin from *Dictyostelium discoideum* conjugated to KLH.

**Lot No.** 6D4

**Clone:** CM-16

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

**Size:** 200µl

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

**Specificity**

Human, chicken, rat.

No cross reactivity with other proteins.

**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 sephacrose beads. It is useful for immunoprecipitation assays.

**Recommended application**

*Immunoprecipitation(IP)*

### BACKGROUND

Calmodulin is the archetype of the family of calcium-modulated proteins of which nearly 20 members have been found. Calmodulin contains 149 amino acids and has 4 calcium-binding domains. Its functions include roles in growth and the cell cycle as well as in signal transduction and the synthesis and release of neurotransmitters. Three calmodulin genes (CALM1, CALM2, and CALM3) map to chromosomes 14q24-q31, 2p21.1-p21.3, and 19q13.2-q13.3, respectively.

### REFERENCE

Berchtold, M. W.; Egli, R.; Rhyner, J. A.; Hameister, H.; Strehler, E. E. : Localization of the human bona fide calmodulin genes CALM1, CALM2, and CALM3 to chromosomes 14q24-q31, 2p21.1-p21.3, and 19q13.2-q13.3. *Genomics* 16: 461-465, 1993.

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