



Product Information Sheet

Monoclonal Anti-Calponin Magnetic Beads Conjugate

Catalogue No. MA1011-M

Immunogen

Turkey gizzard calponin

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: CP-19

Ig type: mouse IgG1

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Size: 200µl

Specificity

Human, mouse, rat, 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.

To reorder contact us at:

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Toll Free: 1(866)964-2589

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BACKGROUND

Calponin is a basic 34-kD protein first isolated from chicken gizzard and bovine aorta. It is specifically expressed in smooth muscle and binds calmodulin, actin, and tropomyosin. It is able to inhibit the ATPase activity of myosin and is thought to play a role in smooth muscle contraction. Calponin is a smooth muscle specific, actin-, tropomyosin- and calmodulin-binding protein thought to be involved in some way in the regulation or modulation of contraction.

REFERENCE

Strasser, P.; Gimona, M.; Moessler, H.; Herzog, M.; Small, J. V. : Mammalian calponin: identification and expression of genetic variants. *FEBS Lett.* 330: 13-18, 1993.

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