



Product Information Sheet

Monoclonal Anti-Calponin (Sepharose Bead Conjugate)

Catalogue No. MA1011-S

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

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ 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 sepharose beads. It is useful for immunoprecipitation assays

Recommended application

Immunoprecipitation(IP)

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.