



Product Information Sheet

Monoclonal Anti- α -Actinin (Magnetic Bead conjugate)

Catalogue No. MA1104-M

Immunogen

Rabbit skeletal α -actinin

Lot No. 08A12

Purification

Clone: SA-20

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

Size: 200 μ l

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

Specificity

Human, mouse, rat.

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

Alpha-actinin was initially isolated from rabbit skeletal muscle as a factor that induces the gelation of F-actin and promotes the superprecipitation of actomyosin. Alpha actinins are actin-binding proteins that carry out different purposes in different different cell types. In myofibrillar cells, alpha-actinin constitutes a major component of Z-discs in striated muscle and of the functionally analogous dense bodies and dense plaques in smooth muscle. alpha-actinin (alpha A) shares structural homology with spectrin and dystrophin.

REFERENCE

Youssofian, H.; McAfee, M.; Kwiatkowski, D. J. : Cloning and chromosomal localization of the human cytoskeletal alpha-actinin gene reveals linkage to the beta-spectrin gene. *Am. J. Hum. Genet.* 47: 62-72, 1990.

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