Product Information Sheet

Monoclonal Anti-Desmin- conjugated to Magnetic Beads

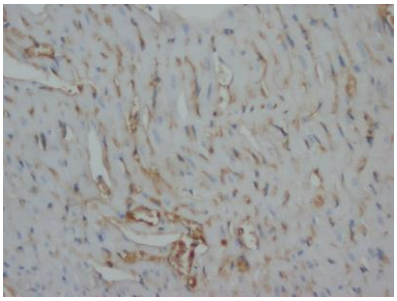
Catalogue No. MA1036-M

Lot No. 08A12

Clone: DES-82

Ig type: mouse IgG1

Size: 200µl



Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Immunogen

Desmin from pig stomach.

Recommended application

Immunoprecipitation(IP)

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

Storage

Store at 4˚C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

BACKGROUND

Desmin belongs to the type III family of intermediate filaments, a class of cytoskeletal elements. DES gene encodes desmin, a muscle-specific cytoskeletal protein found in smooth, cardiac, and heart muscles. Tidball (1992) found that desmin was codistributed with actin thin filaments within the cellular processes of myotendinous junctions in frog skeletal muscle. DES gene contains 9 exons and spans about 8.4 kb. By in situ hybridization, Viegas-Pequignot et al. (1989) localized the gene to 2q35. Desmin mutation responsible for idiopathic dilated cardiomyopathy.

REFERENCE

1 Tidball, J. G. : Desmin at myotendinous junctions. Exp. Cell Res. 199: 206-212, 1992.

2 Viegas-Pequignot, E.; Lin, L. Z.; Dutrillaux, B.; Apiou, F.; Paulin, D. : Assignment of human desmin gene to band 2q35 by nonradioactive in situ hybridization. Hum. Genet. 83: 33-36, 1989.

3 Li, D.; Tapscoft, T.; Gonzalez, O.; Burch, P. E.; Quinones, M. A.; Zoghbi, W. A.; Hill, R.; Bachinski, L. L.; Mann, D. L.; Roberts, R. : Desmin mutation responsible for idiopathic dilated cardiomyopathy. Circulation 100: 461-464, 1999.

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