



Product Information Sheet

Monoclonal Anti-Myosin(Smooth)

Catalogue No. MA1065

Immunogen

Human uterus smooth muscle extract.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: MS-13

Ig type: mouse IgG1

Application

Western blot

At 0.25-0.5µg/ml with the appropriate system to detect myosin(smooth) in cells and tissues.

Immunohistochemistry(P)

At 0.5-1µg/ml to detect myosin(smooth) in formalin fixed and paraffin embedded tissues.

Immunohistochemistry(F)

At 0.5-1µg/ml to detect myosin(smooth) in formalin or acetone fixed tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Size: 100µg/vial

Specificity

Human, rabbit, chicken.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)

Immunohistochemistry(F)

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for three month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

BACKGROUND

Myosin is composed of 2 heavy chains of about 200,000 daltons each and 4 light chains of about 20,000 daltons each. Southern blots of a panel of hybrids containing different portions of human chromosome 16 localized the gene to 16p13.13-p13.12.

REFERENCE

1. Deng, Z.; Liu, P.; Marlton, P.; Claxton, D. F.; Lane, S.; Callen, D. F.; Collins, F. S.; Siciliano, M. J. : Smooth muscle myosin heavy chain locus (MYH11) maps to 16p13.13-p13.12 and establishes a new region of conserved synteny between human 16p and mouse 16. *Genomics* 18: 156-159, 1993.
2. Khau Van Kien, P.; Mathieu, F.; Zhu, L.; Lalande, A.; Betard, C.; Lathrop, M.; Brunotte, F.; Wolf, J.-E.; Jeunemaitre, X. : Mapping of familial thoracic aortic aneurysm/dissection with patent ductus arteriosus to 16p12.2-p13.13 *Circulation* 112: 200-206, 2005.