Product Information Sheet

Monoclonal Anti-Myosin (Skeletal, Slow)

Catalogue No. MA1064

Lot No. 08A12

Clone: IML-64

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

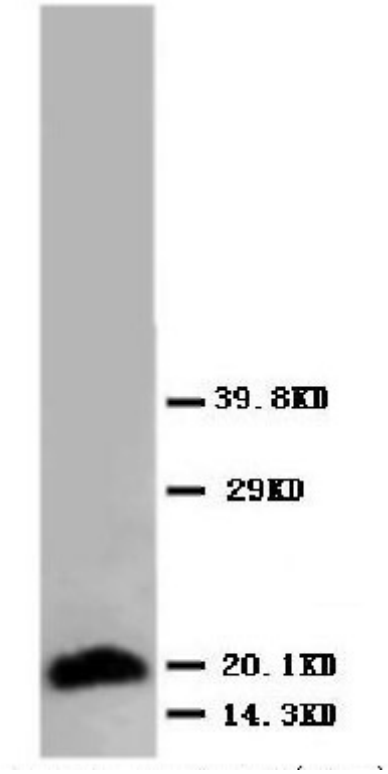
Human, rat.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunohistochemistry(P)



Immunogen

Human skeletal muscle myosin purified from myofibrils

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-2µg/ml with the appropriate system to detect myosin(skeletal, slow) in cells and tissues.

Immunohistochemistry(P)

At 1-2µg/ml to detect myosin(skeletal, slow) in formalin fixed and paraffin embedded tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN_3 as preservative.

To reorder contact us at:

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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.

BACKGROUND

Myosin is composed of 2 heavy chains of about 200,000 daltons each and 4 light chains of about 20,000 daltons each. Skeletal Myosin (slow),, also known as light chain 3(MYL3), mapped to 3p. Fodor et al. (1989) found that the MYL3 gene has 7 exons, the last of which is completely untranslated 3-prime sequence.

REFERENCE

1. Darras, B. T.; Fodor, B.; Vanin, E.; Francke, U. : A human myosin alkali light chain gene mapped to chromosome 3. (Abstract) Cytogenet. Cell Genet. 46: 603, 1987

2. Fodor, W. L.; Darras, B.; Seharaseyon, J.; Falkenthal, S.; Francke, U.; Vanin, E. F. : Human ventricular/slow twitch myosin alkali light chain gene characterization, sequence, and chromosomal location. J. Biol. Chem. 264: 2143-2149, 1989.

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