

**ANTI-MYOSIN (SMOOTH AND SKELETAL)
DELIPIDIZED, WHOLE ANTISERUM**Product No. **M 7648****Product Information****Product Description**

Anti-Myosin is developed in rabbit using myosin isolated from bovine smooth muscle (uterus) as the immunogen. The antiserum has been treated to remove lipoproteins. Immunofluorescent staining of cultured human and mouse fibroblasts shows a striated pattern of labeling along stress fibers. The antibody specifically stains the A-band of skeletal muscle.

Myosin is a 500 kD protein known to interact with actin in muscle and in non-muscle cells. It contains two identical heavy chains (200 kD each) and four light chains (15-20 kD each). Myosin molecules consist of two major regions; the tail (rod) and head. These molecules aggregate into filaments through the tail region and interact with actin and ATP through the head region.

Reagents

Rabbit Anti-Myosin (Smooth and Skeletal) is supplied as a liquid containing 0.1% sodium azide as preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Product Profile

A working dilution of at least 1:10 is determined by indirect immunofluorescent labeling of cultured fibroblasts.

In order to obtain best results, it is recommended that each individual user determine the optimum working dilution for their system by titration assay.

Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers is **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

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