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TECHNICAL INFORMATION

ImmunO™

**Mouse Anti-Actin
MAb Clone B4
Catalog #: 69133
Lot #: M9941**

Form: Liquid. This product is presented as filtered ascites containing 0.01% sodium azide as a preservative.

Description: The monoclonal actin (clone B4) antibody is a mouse IgG₁, kappa light chain antibody. Chicken gizzard was used as the immunogen. Immunoblots demonstrate specificity directed towards the smooth muscle gamma-enteric isoform of actin. This antibody can be used to detect the other smooth muscle actin (alpha-skeletal, alpha-cardiac and alpha-vascular) found in vertebrates.

Applications: Immunohistochemistry: 1:500 smooth muscle

1:100 all actins

Immunoblots: 1:2000 smooth muscle

1:500 all actins

Indirect

Immunofluorescence: 1:100 - 1:500 smooth muscle

1:20 - 1:100 all actins

Immunohisto- chemical Staining

Use: Dilution of Antisera 1:500 (PAP)

Tissue Source (control) Skeletal Muscle

Incubation Time & Temp. 2 hours at room temperature

Recommended Diluent 0.1% BSA in PBS, pH 7.6, with 0.1% sodium azide as preservative.

Storage: Store at 2 - 8°C for continuous use, for long-term storage, freeze at -20°C or below. Avoid repeated freeze/thaw cycles.

References: 1. Hizazi, Y.M., Lessard, J.L. and Weiss, M.A., *J. Surg. Path.* **2**, 125, 1989.

2. Sawtell, N.M., Hartman, A.L. and Lessard, J.L., *Cell Biol*, **109**, 2929, 1989.

3. Lessard, J.L., *Cell Motility and the Cytoskeleton*, **10**, pp. 349 (1988).

Christina Marotta

Approved by: *Christina Marotta*
Quality Control Director

Control #