

Monoclonal Antibody to pan Actin - Ascites

Catalog No.:	SM5137
Quantity:	0.1 ml
Background:	Actin exists as a ubiquitous protein involved with filament formation that make up large portions of the cytoskeleton. Actin filaments interact with myosin to assist in muscle contraction as well as aiding in cell motility and cytokinesis. In vertebrates there are three groups of actin isoforms: alpha, beta and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exists in most cell types as components of the cytoskeleton and as mediators of internal cell motility.
Host / Isotype:	Mouse / IgG
Clone:	mAbGEa
Immunogen:	Purified Arabidopsis actin protein.
Format:	State: Liquid ascites containing 0.05% Sodium Azide as preservative.
Applications:	Western Blot: 1/1000. ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects actin protein and has shown cross-reactivity with actin 1, 2, 3, 4, 7, 8, 11 and 12. Species: Arabidopsis, Bovine, Drosophila, Human, Mouse, Ovine, Rat, Sheep, Xenopus laevis, Yeast. Other species not tested.
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.
General Readings:	1. Diabetes, Vol 51: 1166, Apr 2002 2. JBC 2005, manuscript number M409505200. 3. Plant J. 18(6): 681-691, 1999.
Pictures:	Western blot detection of actin in MDCK cell extract using SM5137

