

Monoclonal Antibody to Human Myosin

Catalog No.:	DM207S
Quantity:	0.5 ml
Concentration:	0.4 mg/ml IgG
Host / Isotype:	Mouse / IgG1
Clone:	MY-32
Immunogen:	Rabbit muscle myosin Mol. Weight of Antigen: 480 kD

Format: This antibody is supplied as liquid, supernatant in 20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Applications: Immunohistochemistry (Paraffin/Frozen; 1:50-1:100), Western Blot (1:100-1:500; Recommended positive control: Skeletal muscle tissue), Indirect Immunofluorescence 1:50-1:100. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Specific for the myosin heavy chain using an immunoblotting technique with either human or animal skeletal muscle. This antibody localizes an epitope on the myosin chain that is stable to the routine formalin fixation. Anti-skeletal myosin to fast twitch skeletal myosin may be used for detecting cross-striated muscle differentiation in tumors. This antibody stains fast type II and neonatal isomyosin molecules found in skeletal muscle and does not stain cardiac muscle, smooth muscle or non-muscle, and human rhabdomyosarcomas.
Species reactivity: Human, rabbit, bovine, feline, chicken, guinea pig, mouse, rat. Others not tested. Cellular localization: cytoplasmic.

Storage: Store the antibody at 4°C. Do not freeze!
Do not dilute the entire solution at once since the diluted solution may have reduced stability. In general, 0.05 M Borate, pH 8.0, containing 0.15 M Sodium Chloride, 0.05 % Sodium Azide, is a good diluent to use with most antibodies. Shelf life: one year from despatch.

General Readings: 1. Havenith, M,G; et al; Muscle fiber typing in routinely processed skeletal muscle with monoclonal an