

Monoclonal Antibody to Tropomyosin (Sarcomeric)

Catalog No.:	DM3223
Quantity:	0.5 ml
Concentration:	0.6 mg/ml
Host / Isotype:	Mouse / IgG1
Clone:	CH1
Immunogen:	Purified chicken muscle tropomyosin.
Applications:	<p>Other applications for this antibody include radioimmunoassays, immunoblotting (1:50-1:100) and immunoprecipitation. This antibody can be used on paraffin-embedded, formalin-fixed human heart and tongue tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. For a three-step avidin-biotin complex system, this antibody may be used at a dilution of 1:25-1:50 with AutoProbe III (Cat. No. 08-803). Recommended positive control: Human Tongue, heart and Chicken heart. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	<p>This antibody is specific for human striated muscle forms of tropomyosin, including cardiac alpha tropomyosin and skeletal muscle forms of tropomyosin. This rod-shaped protein is associated with contractile tissue, where it regulates the Ca²⁺-dependent interaction between actin and myosin. Reacts with Human, Chicken, Rat. Others not tested.</p>
Storage:	<p>Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.</p> <p>Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.</p>
General Readings:	1. Farah, C.S. et al. FASEB Journ