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Monoclonal Antibody to Human Cardiac Troponin T

Catalog No.:	DM3020
Quantity:	0.2 mg
Concentration:	0.4 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	9B1
Immunogen:	Highly purified human cardiac troponin T.
Applications:	Immunohistochemistry 1:50. Western Blotting 1:50-1:250. ELISA 1:500-1:1000. Immunoprecipitation. When used as the coating antibody in ELISAs, this antibody can be paired with affinity purified goat anti-human cardiac troponin T. This antibody can be used on formalin-fixed, paraffin embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:50 with LAB/Probe (Cat. No. 10-102X). When using paraffin-embedded and formalin-fixed tissues, high temperature antigenic unmasking technique is strongly recommended for consistent and reproducible results. This product can also be used on frozen tissue sections. 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:	This antibody is specific for human cardiac troponin subunit T, a 31 kD protein involved in transmitting the Ca2+-binding signals responsible for contraction of cardiac muscle.
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch. Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4C. 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 dilutent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.
General Readings:	1. Farah, C.S. et al. FASEB Journal. 9: 755-767, 1995. 2. Katrukha, A.G. et al. FEBS Letters. 315: 25-28, 1993. 3. Katus, H.A. et al. Laboratory Medicin