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DM3019

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Monoclonal Antibody to Human Cardiac Troponin I

Catalog No.: DM3019
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: 2D5

Immunogen: Purified human cardiac troponin I.

Mol. Wt. of Antigen: 21kD

Applications: - Immunohistochemistry 1:25-1:50.

For formalin-fixed paraffin-embedded (FFPE) tissue sections high

temperature antigen demasking is required: Deparaffinize and rehydrate tissue sections. Buffer 10 mM citrate buffer pH 6.0. Boil 10-20 mins, followed by cooling 10-20 mins

OR

Process tissue sections in pressure cooker for 5 mins in citrate buffer followed by cooling

10-20 mins to RT. Wash tissue sections with PBS.

Note: Prolonged fixation in buffered formalin can destroy the epitope.

This product can also be used on frozen tissue sections.

- Western Blotting 1:50-1:200.

- ELISA 1:500-1:1000.

- Immunoprecipitation.

Other applications not tested. Optimal dilutions of this antibody are dependent on

conditions and should be determined by the user.

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be determined by the user.

Specificity: This antibody is specific for human cardiac troponin subunit I, a 21 kD protein responsible

for inhibiting actomyosin Mg2+-ATPase activity. This antibody has less than 0.1% reactivity

with human skeletal TNI as measured by ELISA.

Other species not tested.

Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

Note: Do not dilute the entire reconstituted solution at once since the diluted solution may

have reduced stability. 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 dilutent to use with most antibodies.

General Readings: 1. Farah, C.S. et al. FASEB Journal. 9: 755-767, 1995.

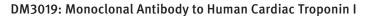
2. Katus, H.A. et al. Laboratory Medicine. 23: 311-317, 1992.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com







3. Cummins, B. et al. American Heart Journ

