

## Monoclonal Antibody to Human Cardiac Troponin I

<b>Catalog No.:</b>	DM3019
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	0.4 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	2D5
<b>Immunogen:</b>	Purified human cardiac troponin I. Mol. Wt. of Antigen: 21kD
<b>Applications:</b>	<p>- 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.</p> <p>- 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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>This antibody is specific for human cardiac troponin subunit I, a 21 kD protein responsible for inhibiting actomyosin Mg<sup>2+</sup>-ATPase activity. This antibody has less than 0.1% reactivity with human skeletal TNI as measured by ELISA. Other species not tested.</p>
<b>Storage:</b>	<p>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 diluent to use with most antibodies.</p>
<b>General Readings:</b>	<p>1. Farah, C.S. et al. FASEB Journal. 9: 755-767, 1995. 2. Katus, H.A. et al. Laboratory Medicine. 23: 311-317, 1992.</p>

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

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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



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