

Datasheet: MCA1208

BATCH NUMBER 090714

Description:	MOUSE ANTI HUMAN TROPONIN I (CARDIAC)
Specificity:	TROPONIN I (CARDIAC)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	10F4 (110)
Isotype:	IgG2a
Quantity:	0.25 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) [Zhang et al. 2008](#).

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Rat, Goat, Cat, Rabbit, Bovine, Dog, Pig</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Human Cardiac troponin I.
External Database Links	<p>UniProt:</p> <p>P19429 Related reagents</p> <p>Entrez Gene:</p> <p>7137 TNNI3 Related reagents</p>
Synonyms	TNNC1
RRID	AB_2303604
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 mouse myeloma cell line.
Specificity	Mouse anti Human Troponin I (Cardiac) antibody, clone 10F4 (110) recognizes aa 34-37 of Troponin I from human heart. There is no cross-reactivity with skeletal muscle troponin I.
References	<ol style="list-style-type: none"> 1. Marian, A.J. <i>et al.</i> (1997) Expression of a mutant (Arg92Gln) human cardiac troponin T, known to cause hypertrophic cardiomyopathy, impairs adult cardiac myocyte contractility. Circ Res. 81 (1): 76-85. 2. Zhang, J. <i>et al.</i> (2008) Isoproterenol-induced cardiotoxicity in sprague-dawley rats: correlation of reversible and irreversible myocardial injury with release of cardiac troponin T and roles of iNOS in myocardial injury. Toxicol Pathol. 36: 277-8. 3. Filatov, V.L. <i>et al.</i> (1998) Epitope mapping of anti-troponin I monoclonal antibodies. Biochem Mol Biol Int. 45 (6): 1179-87.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1208</p> <p>10040</p>

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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