

Datasheet: MCA151

Description:	MOUSE ANTI HUMAN INNER MITOCHONDRIAL MEMBRANE
Specificity:	INNER MITOCHONDRIAL MEMBRANE
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	H6/C12
Isotype:	IgG2a
Quantity:	1 ml

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	▪			1/10
Immunohistology - Paraffin			▪	
ELISA	▪			1/50
Immunoprecipitation		▪		
Western Blotting		▪		
Immunofluorescence	▪			

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

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Rat</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	Tissue Culture Supernatant - liquid
Preservative Stabilisers	0.09% Sodium Azide

Immunogen	Human mitochondrial membrane preparation.
RRID	AB_323591
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse P3NS1-Ag4 myeloma cell line.
Specificity	Mouse anti Human Inner Mitochondrial Membrane antibody, clone H6/C12 recognizes an antigen expressed on the inner membrane of mitochondria which is partially sensitive to proteinase digestion (Billet <i>et al.</i> 1984). Mouse anti Human Inner Mitochondrial Membrane antibody, clone H6/C12 has been used successfully for the detection of antigen by immunofluorescence (Haorah <i>et al.</i> 2011).
References	<ol style="list-style-type: none"> 1. Billett, E.E. <i>et al.</i> (1984) Characterization of two monoclonal antibodies obtained after immunization with human liver mitochondrial membrane preparations. Biochem J. 221 (3): 765-76. 2. Ahmad, A. (2002) Elevated expression of hexokinase II protects human lung epithelial-like A549 cells against oxidative injury. Am J Physiol Lung Cell Mol Physiol. 283: L573-84. 3. Haorah, J. <i>et al.</i> (2011) Stabilization of superoxide dismutase by acetyl-L-carnitine in human brain endothelium during alcohol exposure: novel protective approach. Free Radic Biol Med. 51: 1601-9. 4. Boland, M.V. and Murphy, R.F. (2001) A neural network classifier capable of recognizing the patterns of all major subcellular structures in fluorescence microscope images of HeLa cells. Bioinformatics. 17: 1213-23.
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	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10055 available at: 10055: https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Human Anti Mouse IgG2a (HCA037...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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