

Datasheet: MCA1429GA

Description:	MOUSE ANTI LAMIN A/C
Specificity:	LAMIN A/C
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	JOL2
lsotype:	lgG1
Quantity:	0.1 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 <u>www.bio-</u> rad-antibodies.com/protocols.					
	Flow Cytometry					
	Immunohistology - Frozen					
		Immunohistology - Paraffin	_			0.4
	(1)	•			0.4 ug/ml	
	ELISA			•		
	Immunoprecipitation	•				
	Western Blotting					
	Immunofluorescence					
	Where this product 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 product for use in their own system using appropriate negative/positive controls. (1)Mouse anti lamin A/C requires antigen retrieval using heat treatment prior to staining of paraffin sections. Citrate buffer pH 6.2 is recommended for this purpose.					
Target Species	Human					
Species Cross Reactivity	Reacts with: Xenopus 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.					
Product Form	Purified IgG - liquid					

Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant			
Buffer Solution	Phosphate buffered saline			
Preservative Stabilisers	0.09% sodium azide (NaN ₃)			
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml			
Immunogen	Recombinant human lamin A			
External Database Links	UniProt: <u>P02545</u> <u>Related reagents</u> Entrez Gene: <u>4000</u> LMNA <u>Related reagents</u>			
Synonyms	LMN1			
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2-0/Ag4 myeloma cell line			
	Mouse anti Human Iamin A/C, clone JOL2 recognizes both recombinant and native forms of human Iamin A and C, nuclear intermediate filament proteins encoded by the same LMNA gene via alternative splicing. In addition to providing structural support to the nuclear envelope, these proteins contribute to chromatin organization and the regulation of gene expression.			
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Specificity	forms of human lamin A and C, nuclear intermediate filament proteins encoded by the same LMNA gene via alternative splicing. In addition to providing structural support to the nuclear envelope, these proteins contribute to chromatin organization and the regulation of gene expression. Mutations in the LMNA gene are responsible for a broad spectrum of disorders, termed			
Specificity Histology Positive Control Tissue	forms of human lamin A and C, nuclear intermediate filament proteins encoded by the same LMNA gene via alternative splicing. In addition to providing structural support to the nuclear envelope, these proteins contribute to chromatin organization and the regulation of gene expression. Mutations in the LMNA gene are responsible for a broad spectrum of disorders, termed laminopathies, including Emery-Dreifuss muscular dystrophy and dilated cardiomyopathy. Mouse anti Human lamin A/C, clone JOL2 has been shown to bind to an epitope between			

	 and mitomycin C in prostate cancer cells: role of ERCC1 in horepair. <u>Biochem Pharmacol. 72: 166-75.</u> 5. Markiewicz, E. <i>et al.</i> (2006) The inner nuclear membrane probeta-catenin activity by restricting its accumulation in the nuclea 6. Zhang, Q. <i>et al.</i> (2007) Nesprin-1 and -2 are involved in the Dreifuss muscular dystrophy and are critical for nuclear enveloped <u>Genet. 16: 2816-33.</u> 7. Jean, D. <i>et al.</i> (2008) Cathepsin L expression is up-regulate melanoma cells: role of its 5'-untranslated region. <u>Biochem J. 48</u>. Ndong, Jde. L. <i>et al.</i> (2009) Down-regulation of the expression confactor of transcription, triggers strong tumorigenic phenotype Int J Cancer. 124: 2597-606. 	otein emerin regulates eus. <u>EMBO J. 25: 3275-85.</u> pathogenesis of Emery ope integrity. <u>Hum Mol</u> ed by hypoxia in human <u>413: 125-34.</u> ion of RB18A/MED1, a
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.	
	Avoid repeated freezing and thawing as this may denature the frost-free freezers is not recommended.	antibody. Storage in
Guarantee	12 months from date of despatch	
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1429GA 10040	
Regulatory	For research purposes only	

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77)	HRP			
Rabbit Anti Mouse IgG (STAR12)	RPE			
Goat Anti Mouse IgG (STAR70)	<u>FITC</u>			
Goat Anti Mouse IgG IgA IgM (STAR87) <u>Alk. Phos.</u> , <u>HRP</u>				
Rabbit Anti Mouse IgG (STAR9)	<u>FITC</u>			
Goat Anti Mouse IgG (STAR76)	RPE			
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 (STAR13)	HRP			
Goat Anti Mouse IgG (Fc) (STAR120)	FITC, HRP			
Recommended Negative Controls				

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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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