

## Datasheet: MCA1929

**BATCH NUMBER 163384**

<b>Description:</b>	RAT ANTI C-MYC
<b>Specificity:</b>	C-MYC
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	JAC6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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 [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			1/500 - 1/1000
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide

<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Amino acids 408-439 corresponding to the C-terminal region of human c-myc.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01106</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">4609</a>    MYC    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	BHLHE39
<b>RRID</b>	AB_322203
<b>Specificity</b>	<b>Rat anti Human c-myc antibody, clone JAC6</b> recognises the myc proto-oncogene which is frequently used to tag proteins, and is the same epitope recognised by clone 9E10. c-myc is also known as Transcription factor p64 or Class E basic helix-loop-helix protein 39.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Smith, G.D. <i>et al.</i> (2002) TRPV3 is a temperature-sensitive vanilloid receptor-like protein. <a href="#">Nature. 418 (6894): 186-90.</a></li> <li>2. Dawson, K. <i>et al.</i> (2008) Loss of regulators of vacuolar ATPase function and ceramide synthesis results in multidrug sensitivity in <i>Schizosaccharomyces pombe</i>. <a href="#">Eukaryot Cell. 7 (6): 926-37.</a></li> <li>3. Tetzlaff, J.E. <i>et al.</i> (2008) CHIP targets toxic alpha-Synuclein oligomers for degradation. <a href="#">J Biol Chem. 283 (26): 17962-8.</a></li> <li>4. Shin, Y. <i>et al.</i> (2005) The co-chaperone carboxyl terminus of Hsp70-interacting protein (CHIP) mediates alpha-synuclein degradation decisions between proteasomal and lysosomal pathways. <a href="#">J Biol Chem. 280 (25): 23727-34.</a></li> <li>5. Liebig, T. <i>et al.</i> (2009) RhoE Is required for keratinocyte differentiation and stratification. <a href="#">Mol Biol Cell. 20 (1): 452-63.</a></li> <li>6. Lozano, E. <i>et al.</i> (2008) PAK is required for the disruption of E-cadherin adhesion by the small GTPase Rac. <a href="#">J Cell Sci. 121 (Pt 7): 933-8.</a></li> <li>7. Stahl, R. <i>et al.</i> (2014) Shedding of APP limits its synaptogenic activity and cell adhesion properties. <a href="#">Front Cell Neurosci. 8: 410.</a></li> <li>8. Smith, M.D. <i>et al.</i> (2018) CCPG1 Is a Non-canonical Autophagy Cargo Receptor Essential for ER-Phagy and Pancreatic ER Proteostasis. <a href="#">Dev Cell. 44 (2): 217-232.e11.</a></li> <li>9. Jenkins, P.M. <i>et al.</i> (2009) PACS-1 mediates phosphorylation-dependent ciliary trafficking of the cyclic-nucleotide-gated channel in olfactory sensory neurons. <a href="#">J Neurosci. 29 (34): 10541-51.</a></li> </ol>
<b>Storage</b>	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 antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1929">https://www.bio-rad-antibodies.com/SDS/MCA1929</a> 10040
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight@800</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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](https://www.bio-rad-antibodies.com/datasheets)  
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