

## Datasheet: MCA649G

**BATCH NUMBER 180227**

<b>Description:</b>	RAT ANTI DINITROPHENOL
<b>Specificity:</b>	DINITROPHENOL
<b>Other names:</b>	DNP
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-DNP-30
<b>Isotype:</b>	IgE
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			2.5 ug/ml (as detection antibody)
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. 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>	Chemical
<b>Product Form</b>	Purified IgE - liquid
<b>Preparation</b>	Purified IgE prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgE concentration 1.0 mg/ml
<b>Immunogen</b>	Nippostrongylus brasiliensis-DNP.
<b>RRID</b>	AB_567293
<b>Specificity</b>	<b>Rat anti Dinitrophenol antibody, clone LO-DNP-30</b> recognizes the dinitrophenyl (DNP) hapten.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Pivniouk, V.I. <i>et al.</i> (1999) SLP-76 deficiency impairs signaling via the high-affinity IgE receptor in mast cells. <a href="#">J Clin Invest. 103 (12): 1737-43.</a></li> <li>2. Minas, I.S. <i>et al.</i> (2012) Physiological and proteomic approaches to address the active role of ozone in kiwifruit post-harvest ripening. <a href="#">J Exp Bot. 63 (7): 2449-64.</a></li> <li>3. Gilchrist, M. <i>et al.</i> (2010) A key role for ATF3 in regulating mast cell survival and mediator release. <a href="#">Blood. 115: 4734-41.</a></li> <li>4. Debrand, E. <i>et al.</i> (2019) An intergenic non-coding RNA promoter required for histone modifications in the human <math>\beta</math>-globin chromatin domain. <a href="#">PLoS One. 14 (8): e0217532.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA649G">https://www.bio-rad-antibodies.com/SDS/MCA649G</a></p> <p>10040</p>
<b>Regulatory</b>	For research purposes only

<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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