Datasheet: MCA649G

Description:	RAT ANTI DINITROPHENOL
Specificity:	DINITROPHENOL
Other names:	DNP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	LO-DNP-30
Isotype:	IgE
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			▪	
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.

Target Species	Chemical
Product Form	Purified IgE - liquid
Preparation	Purified IgE prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide
Approx. Protein	IgE concentration 1.0 mg/ml

Concentrations	
Immunogen	Nippostrongylus brasiliensis-DNP.
RRID	AB_567293
Specificity	**Rat anti Dinitrophenol antibody, clone LO-DNP-30** recognizes the dinitrophenyl (DNP) hapten.
References	1. Pivniouk, V.I. *et al.* (1999) SLP-76 deficiency impairs signaling via the high-affinity IgE receptor in mast cells. J Clin Invest. 103 (12): 1737-43. 2. Minas, I.S. *et al.* (2012) Physiological and proteomic approaches to address the active role of ozone in kiwifruit post-harvest ripening. J Exp Bot. 63 (7): 2449-64. 3. Gilchrist, M. *et al.* (2010) A key role for ATF3 in regulating mast cell survival and mediator release. Blood. 115: 4734-41. 4. Debrand, E. *et al.* (2019) An intergenic non-coding RNA promoter required for histone modifications in the human β-globin chromatin domain. PLoS One. 14 (8): e0217532. 5. Okragly, A.J. *et al.* (2018) Human mast cells release the migraine-inducing factor pituitary adenylate cyclase-activating polypeptide (PACAP). Cephalalgia. 38 (9): 1564-74.
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 antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

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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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