

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 Concentrations	IgE concentration 1.0 mg/ml
Immunogen	Nippostrongylus brasiliensis-DNP
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.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10303 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory

For research purposes only

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