

## Datasheet: MCA1387

<b>Description:</b>	RAT ANTI MOUSE MHC CLASS II
<b>Specificity:</b>	MHC CLASS II
<b>Format:</b>	S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	IBL-3/5
<b>Isotype:</b>	IgM
<b>Quantity:</b>	2 ml

## 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	▪			1/5
Immunohistology - Frozen (1)	▪			Neat
Immunohistology - Paraffin		▪		
Immunohistology - Resin		▪		
ELISA			▪	
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.

**(1)The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.**

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	Does not react with:Rat, Human
<b>Product Form</b>	Tissue Culture Supernatant - liquid
<b>Preparation</b>	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum

<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Immunogen</b>	<i>in vivo</i> stimulated, purified mouse B cells.
<b>RRID</b>	AB_321620
<b>Fusion Partners</b>	Spleen cells from an immunized Wistar rat were fused with cells of the SP2/0-Ag14 mouse myeloma cell line.
<b>Specificity</b>	<p><b>Rat anti Mouse MHC Class II antibody, clone IBL-3/5</b> recognizes a monomorphic epitope on murine MHC Class II molecules., The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In mice, this complex is referred to as the histocompatibility 2 (H-2) region.</p> <p>MHC class II molecules are expressed by dendritic cells, B-cells and macrophages.</p> <p>Rat anti Mouse MHC Class II antibody, clone IBL-3/5 induces homotypic clustering of B cells <i>in vitro</i> (Balogh 1995 In 9th International Congress of Immunology, Abstract book p. 72. No. 422).</p>
<b>Flow Cytometry</b>	Use 50ul of the suggested working dilution to label 10 <sup>5</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Muller, T. <i>et al.</i> (2004) Tocopherol long chain fatty alcohols decrease the production of TNF-alpha and NO radicals by activated microglial cells. <a href="#">Bioorg Med Chem Lett.14: 6023-6.</a></li> <li>2. Pazmany, T. <i>et al.</i> (2000) Effect of transforming growth factor-beta1 on microglial MHC-class II expression. <a href="#">J Neuroimmunol. 103: 122-30.</a></li> <li>3. Himoudi, N. <i>et al.</i> (2007) Development of anti-PAX3 immune responses; a target for cancer immunotherapy. <a href="#">Cancer Immunol Immunother. 56: 1381-95.</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>	Material Safety Datasheet documentation #10055 available at: 10055: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Secondary Antibodies

Goat Anti Rat IgM (302001...) [Biotin](#), [RPE](#)

Goat Anti Rat IgM (STAR116...) [HRP](#)

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