

Datasheet: MCA1387

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

	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.

Target Species	Mouse
Species Cross Reactivity	Does not react with:Rat, Human
Product Form	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	<i>in vivo</i> stimulated, purified mouse B cells.
Fusion Partners	Spleen cells from an immunized Wistar rat were fused with cells of the SP2/0-Ag14 mouse myeloma cell line.

Specificity **Rat anti Mouse MHC Class II antibody, clone IBL-3/5** 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.

MHC class II molecules are expressed by dendritic cells, B-cells and macrophages.

Rat anti Mouse MHC Class II antibody, clone IBL-3/5 induces homotypic clustering of B cells *in vitro* (Balogh 1995 In 9th International Congress of Immunology, Abstract book p. 72. No. 422).

Flow Cytometry Use 50ul of the suggested working dilution to label 10⁵ cells in 100ul.

References 1. Muller, T. *et al.* (2004) Tocopherol long chain fatty alcohols decrease the production of TNF-alpha and NO radicals by activated microglial cells. [Bioorg Med Chem Lett.14: 6023-6.](#)
2. Pazmany, T. *et al.* (2000) Effect of transforming growth factor-beta1 on microglial MHC-class II expression. [J Neuroimmunol. 103: 122-30.](#)
3. Himoudi, N. *et al.* (2007) Development of anti-PAX3 immune responses; a target for cancer immunotherapy. [Cancer Immunol Immunother. 56: 1381-95.](#)

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 #10055 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Goat Anti Rat IgM (STAR116...) [Alk. Phos.](#), [FITC](#), [HRP](#)

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