

Datasheet: MCA09

Description:	RAT ANTI RAT MHC CLASS II I-Ab
Specificity:	MHC CLASS II I-Ab
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	P7/7
Isotype:	IgG2b
Quantity:	5 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	■			Neat - 1/4
Immunohistology - Frozen	■			
Immunohistology - Paraffin			■	
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 negative/positive controls.

Target Species	Rat
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Tissue Culture Supernatant - liquid
Preservative Stabilisers	0.1% Sodium Azide
Immunogen	Cells from R8 strain rat
Fusion Partners	Spleen cells from an immunised DA rat were fused with cells of the mouse P3/NSI/I-Ag4.1 myeloma cell line.
Specificity	Rat anti Rat MHC Class II I-Ab antibody, clone P7/7 recognizes the rat RT1Bu/Du MHC class II antigen and is cross reactive with haplotypes c, d, l, and n. The antibody positively stains MHC class II molecules in rat strains including PVG, F334, LEW, and BN.

Clone P7/7 also recognises mouse MHC Class II, binding to a monomorphic epitope expressed by all mouse strains.

Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	1. Momburg, F. <i>et al.</i> (1986) Differential expression of Ia and Ia-associated invariant chain in mouse tissues after in vivo treatment with IFN-gamma. J Immunol. 136 (3): 940-8. 2. Jiang, H.R. <i>et al.</i> (2003) Antigen-specific inhibition of experimental autoimmune uveoretinitis by bone marrow-derived immature dendritic cells. Invest Ophthalmol Vis Sci. 44: 1598-607. 3. Taylor, N. <i>et al.</i> (2005) Enhanced tolerance to autoimmune uveitis in CD200-deficient mice correlates with a pronounced Th2 switch in response to antigen challenge. J Immunol. 174: 143-54. 4. Krasinskas, A.M. <i>et al.</i> (2000) Replacement of graft-resident donor-type antigen presenting cells alters the tempo and pathogenesis of murine cardiac allograft rejection. Transplantation. 70: 514-21. 5. Jiang, H.R. <i>et al.</i> (2002) Secretion of interleukin-10 or interleukin-12 by LPS-activated dendritic cells is critically dependent on time of stimulus relative to initiation of purified DC culture. J Leukoc Biol. 72: 978-85. 6. Jiang, H.R. <i>et al.</i> (2006) Combination of vaccination and chimeric receptor expressing T cells provides improved active therapy of tumors. J Immunol. 177: 4288-98.
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Storage	Store at +4°C or at -20°C if preferred.
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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.
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Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10336 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10336.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC

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