

Datasheet: MCA95F

Description:	MOUSE ANTI RAT MHC CLASS II RT1B:FITC
Specificity:	MHC CLASS II RT1B
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	F17-23-2
Isotype:	IgG1
Quantity:	0.1 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	■			Neat - 1/5

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	Rat		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		
Immunogen	Partially purified rat MHC antigens.		
Fusion Partners	Spleen cells of immunized BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line.		
Specificity	Mouse anti Rat MHC Class II RT1B antibody, clone F17-23-2 recognizes the rat RT1B MHC class II antigen, reacting with haplotypes a, I and n expressed on rat strains including DA, LEW,		

and BN.

Mouse anti Rat MHC Class II RT1B antibody, clone F17-23-2 is routinely tested in flow cytometry on DA rat splenocytes.

Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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| References | <ol style="list-style-type: none">1. Hart DN & Fabre JW (1981) Localization of MHC antigens in long surviving rat renal allografts: probable implication of passenger leukocytes in graft adaptation. Transplant Proc. 13 (1 Pt 1): 95-9.2. Hart, D.N. & Fabre, J.W. (1981) Major histocompatibility complex antigens in rat kidney, ureter, and bladder. Localization with monoclonal antibodies and demonstration of Ia-positive dendritic cells. Transplantation. 31 (5): 318-25.3. Keller, R. <i>et al.</i> (1988) Modulation of major histocompatibility complex (MHC) expression by interferons and microbial agents. Independent regulation of MHC class II expression and induction of tumoricidal activity in bone marrow-derived mononuclear phagocytes. Scand J Immunol. 28 (1): 113-21.4. Lassner, F. <i>et al.</i> (1989) Cellular mechanisms of rejection and regeneration in peripheral nerve allografts. Transplantation. 48 (3): 386-92.5. Miranda, V. <i>et al.</i> (2004) Modified dendritic cells coexpressing self and allogeneic major histocompatibility complex molecules: an efficient way to induce indirect pathway regulation. J Am Soc Nephrol. 15 (4): 987-97.6. Steiniger, B. <i>et al.</i> (1990) Identical pattern of acute rejection after isolated islet and vascularized whole-pancreas transplantation in the rat. Am J Pathol. 137 (1): 93-102.7. Brandis, A. <i>et al.</i> (1998) Time-dependent expression of donor- and host-specific major histocompatibility complex class I and II antigens in allogeneic dopamine-rich macro- and micrografts: comparison of two different grafting protocols. Acta Neuropathol. 95 (1): 85-97.8. 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 (3): 514-21.9. Comer, R.M. <i>et al.</i> (2002) Effect of administration of CTLA4-Ig as protein or cDNA on corneal allograft survival. Invest Ophthalmol Vis Sci. 43 (4): 1095-103. |
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Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA1209F\)](#)

'M305245:170426'

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