

Datasheet: MCA95R

Description:	MOUSE ANTI RAT MHC CLASS II RT1B
Specificity:	MHC CLASS II RT1B
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	F17-23-2
Isotype:	IgG1
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	■			1/100 - 1/200
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 appropriate negative/positive controls.

Target Species	Rat
Product Form	Purified IgG - liquid
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
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 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.
References	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.
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. 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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

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