

## Datasheet: MCA938F

<b>Description:</b>	MOUSE ANTI RAT CD8 BETA:FITC
<b>Specificity:</b>	CD8 BETA
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	341
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			1/2 - 1/10

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.

<b>Target Species</b>	Rat		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		
<b>Immunogen</b>	Rat/mouse T cell hybrids expressing CD8.		
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P05541</a> <a href="#">Related reagents</a>		
	<b>Entrez Gene:</b>		

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<b>Synonyms</b>	Cd8b1
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<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the mouse X63Ag8.653 myeloma cell line.
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<b>Specificity</b>	<b>Mouse anti Rat CD8 beta antibody, clone 341</b> recognizes the beta chain of the rat CD8 cell surface antigen, expressed on thymocytes and peripheral cytotoxic/suppressor cells. CD8b is not expressed by NK cells or by intestinal intraepithelial T cells. Mouse anti Rat CD8 beta antibody, clone 341 is reported to block proliferative and cytotoxic responses of CD8 +ve effector cells <i>in vitro</i> .
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Pérez-Cano, F.J. <i>et al.</i> (2010) Influence of breast milk polyamines on suckling rat immune system maturation. <a href="#">Dev Comp Immunol. 34: 210-8.</a></li><li>2. Torres-nagel, N. <i>et al.</i> (1992) Differential thymus dependence of rat CD8 isoform expression. <a href="#">Eur J Immunol. 22 (11): 2841-8.</a></li><li>3. Yan, Y. <i>et al.</i> (2003) Pathogenesis of Autoimmunity After Xenogeneic Thymus Transplantation <a href="#">J Immunol. 170: 5936-46.</a></li><li>4. Jörns, A. <i>et al.</i> (2010) Diabetes prevention by immunomodulatory FTY720 treatment in the LEW.1AR1-iddm rat despite immune cell activation. <a href="#">Endocrinology. 151: 3555-65.</a></li><li>5. Feferman, T. <i>et al.</i> (2005) Overexpression of IFN-induced protein 10 and its receptor CXCR3 in myasthenia gravis. <a href="#">J Immunol. 174 (9): 5324-31.</a></li></ol>
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<b>Storage</b>	Store at +4°C for one month or at -20°C for longer.  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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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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