

Datasheet: MCA938F

Description:	MOUSE ANTI RAT CD8 BETA:FITC
Specificity:	CD8 BETA
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	341
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

RRID AB_321485

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	■			1/2 - 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.

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 A from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin

Approx. Protein Concentrations IgG concentration 0.1 mg/ml

Immunogen Rat/mouse T cell hybrids expressing CD8.

External Database Links

UniProt:
[P05541](#) [Related reagents](#)

Entrez Gene:[24931](#) Cd8b [Related reagents](#)

Synonyms	Cd8b1
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse X63Ag8.653 myeloma cell line.
Specificity	Mouse anti Rat CD8 beta antibody, clone 341 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> .
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Pérez-Cano, F.J. <i>et al.</i> (2010) Influence of breast milk polyamines on suckling rat immune system maturation. Dev Comp Immunol. 34: 210-8. 2. Torres-nagel, N. <i>et al.</i> (1992) Differential thymus dependence of rat CD8 isoform expression. Eur J Immunol. 22 (11): 2841-8. 3. Yan, Y. <i>et al.</i> (2003) Pathogenesis of Autoimmunity After Xenogeneic Thymus Transplantation J Immunol. 170: 5936-46. 4. Jörns, A. <i>et al.</i> (2010) Diabetes prevention by immunomodulatory FTY720 treatment in the LEW.1AR1-iddm rat despite immune cell activation. Endocrinology. 151: 3555-65. 5. Feferman, T. <i>et al.</i> (2005) Overexpression of IFN-induced protein 10 and its receptor CXCR3 in myasthenia gravis. J Immunol. 174 (9): 5324-31.
Storage	<p>Store at +4°C for one month or at -20°C for longer.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

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