

Datasheet: MCA938GA

Description:	MOUSE ANTI RAT CD8 BETA
Specificity:	CD8 BETA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	341
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	▪			1/100 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Immunofluorescence	▪			

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 A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1 mg/ml
Immunogen	Rat/mouse T cell hybrids expressing CD8.
External Database Links	<p>UniProt: P05541 Related reagents</p> <p>Entrez Gene: 24931 Cd8b Related reagents</p>
Synonyms	Cd8b1
RRID	AB_2075766
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>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA938GA

Regulatory

For research purposes only

Related Products**Recommended Secondary Antibodies**

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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