

## Datasheet: MCA938GA

**BATCH NUMBER 170500**

<b>Description:</b>	MOUSE ANTI RAT CD8 BETA
<b>Specificity:</b>	CD8 BETA
<b>Format:</b>	Purified
<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	▪			1/100 - 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.

<b>Target Species</b>	Rat
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1 mg/ml
<b>Immunogen</b>	Rat/mouse T cell hybrids expressing CD8.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P05541</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">24931</a> Cd8b    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Cd8b1
<b>RRID</b>	AB_2075766
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the mouse X63Ag8.653 myeloma cell line.
<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> .
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. 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>2. Yan, Y. <i>et al.</i> (2003) Pathogenesis of Autoimmunity After Xenogeneic Thymus Transplantation <a href="#">J Immunol. 170: 5936-46.</a></li> <li>3. 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> <li>4. 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>5. Morales-Ferré, C. <i>et al.</i> (2022) <i>Staphylococcus epidermidis'</i> Overload During Suckling Impacts the Immune Development in Rats. <a href="#">Front Nutr. 9: 916690.</a></li> <li>6. Azagra-Boronat, I. <i>et al.</i> (2020) <i>Lactobacillus fermentum</i> CECT5716 Supplementation in Rats during Pregnancy and Lactation Impacts Maternal and Offspring Lipid Profile, Immune System and Microbiota. <a href="#">Cells. 9 (3): 575.</a></li> </ol>
<b>Storage</b>	<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>

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA938GA">https://www.bio-rad-antibodies.com/SDS/MCA938GA</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>

### Recommended Negative Controls

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M381628:210512'

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