

## Datasheet: MCA1576GA

**BATCH NUMBER 151109**

<b>Description:</b>	MOUSE ANTI RABBIT CD8
<b>Specificity:</b>	CD8
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	12.C7
<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			▪	
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.

<b>Target Species</b>	Rabbit
<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 (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Specificity</b>	<b>Mouse anti Rabbit CD8 antibody, clone 12.C7</b> recognizes the rabbit CD8 cell surface antigen, expressed by a subset of T lymphocytes with cytotoxic/suppressor activity.
<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. De Smet, W. <i>et al.</i> (1983) Rabbit leukocyte surface antigens defined by monoclonal antibodies. <a href="#">Eur J Immunol. 13: 919-28.</a></li> <li>2. Dewals, B. <i>et al.</i> (2008) Malignant catarrhal fever induced by alcelaphine herpesvirus 1 is associated with proliferation of CD8+ T cells supporting a latent infection. <a href="#">PLoS ONE 3: e1627.</a></li> <li>3. Zhao, L. <i>et al.</i> (2011) Evaluation of immunocompatibility of tissue-engineered periosteum. <a href="#">Biomed Mater.6:015005.</a></li> <li>4. Wilkinson, J.M. <i>et al.</i> (1992) A cytotoxic rabbit T-cell line infected with a gamma-herpes virus which expresses CD8 and class II antigens. <a href="#">Immunology. 77: 106-8.</a></li> <li>5. Marques, R.M. <i>et al.</i> (2012) Early inflammatory response of young rabbits attending natural resistance to calicivirus (RHDV) infection. <a href="#">Vet Immunol Immunopathol. 150: 181-8.</a></li> <li>6. Schock, A. and Reid, H.W. (1996) Characterisation of the lymphoproliferation in rabbits experimentally affected with malignant catarrhal fever. <a href="#">Vet Microbiol. 53: 111-9.</a></li> <li>7. Beghelli, D. <i>et al.</i> (2012) Phytoderivates in Rabbit Diet and Immune responses. <a href="#">Proceedings 10th World Rabbit Congress: 1019-23</a></li> <li>8. Khan AA <i>et al.</i> (2015) Therapeutic immunization with a mixture of herpes simplex virus 1 glycoprotein D-derived "asymptomatic" human CD8+ T-cell epitopes decreases spontaneous ocular shedding in latently infected HLA transgenic rabbits: association with low frequency of local PD-1+ TIM-3+ CD8+ exhausted T cells. <a href="#">J Virol. 89 (13): 6619-32.</a></li> <li>9. Srivastava, R. <i>et al.</i> (2015) A Herpes Simplex Virus Type 1 Human Asymptomatic CD8+ T-Cell Epitopes-Based Vaccine Protects Against Ocular Herpes in a "Humanized" HLA Transgenic Rabbit Model. <a href="#">Invest Ophthalmol Vis Sci. 56 (6): 4013-28.</a></li> <li>10. Hanson, N.B. &amp; Lanning, D.K. (2008) Microbial induction of B and T cell areas in rabbit appendix. <a href="#">Dev Comp Immunol. 32 (8): 980-91.</a></li> <li>11. Waclavicek, M. <i>et al.</i> (2009) Analysis of the early response to TSST-1 reveals Vbeta-unrestricted extravasation, compartmentalization of the response, and unresponsiveness but not anergy to TSST-1. <a href="#">J Leukoc Biol. 85 (1): 44-54.</a></li> <li>12. Dewals, B. <i>et al.</i> (2011) <i>Ex vivo</i> bioluminescence detection of alcelaphine herpesvirus 1 infection during malignant catarrhal fever. <a href="#">J Virol. 85 (14): 6941-54.</a></li> <li>13. Anderson, I.E. <i>et al.</i> (2008) Production and utilization of interleukin-15 in malignant catarrhal fever. <a href="#">J Comp Pathol. 138 (2-3): 131-44.</a></li> <li>14. Stich N <i>et al.</i> (2010) Staphylococcal superantigen (TSST-1) mutant analysis reveals that t cell activation is required for biological effects in the rabbit including the cytokine storm. <a href="#">Toxins (Basel). 2 (9): 2272-88.</a></li> <li>15. Myster, F. <i>et al.</i> (2015) Viral semaphorin inhibits dendritic cell phagocytosis and migration but is not essential for gammaherpesvirus-induced lymphoproliferation in malignant catarrhal fever. <a href="#">J Virol. 89 (7): 3630-47.</a></li> <li>16. Srivastava, R. <i>et al.</i> (2016) The Herpes Simplex Virus Latency-Associated Transcript Gene Is Associated with a Broader Repertoire of Virus-Specific Exhausted CD8+ T Cells</li> </ol>

Retained within the Trigeminal Ganglia of Latently Infected HLA Transgenic Rabbits. [J Virol. 90 \(8\): 3913-28.](#)

17. Gates, K.V. & Griffiths, L.G. (2018) Chronic graft-specific cell-mediated immune response toward candidate xenogeneic biomaterial. [Immunol Res. 66 \(2\): 288-98.](#)

18. Prakash, S. *et al.* (2020) Unique molecular signatures of antiviral memory CD8<sup>+</sup> T cells associated with asymptomatic recurrent ocular herpes. [Sci Rep. 10 \(1\): 13843.](#)

19. Jeklova, E. *et al.* (2020) Characterization of humoral and cell-mediated immunity in rabbits orally infected with *Encephalitozoon cuniculi*. [Vet Res. 51 \(1\): 79.](#)

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<b>Storage</b>	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.
<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/MCA1576GA">https://www.bio-rad-antibodies.com/SDS/MCA1576GA</a> 10040
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <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 (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>

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