

Datasheet: MCA1576F

BATCH NUMBER 163801

Description:	MOUSE ANTI RABBIT CD8:FITC
Specificity:	CD8
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	12.C7
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	▪			Neat - 1/10

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Rabbit		
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 Stabilisers	0.09% sodium azide (NaN ₃)		
	1% bovine serum albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		

Specificity	Mouse anti Rabbit CD8 antibody, clone 12.C7 recognizes the rabbit CD8 cell surface antigen, expressed by a subset of T lymphocytes with cytotoxic/suppressor activity.
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. De Smet, W. <i>et al.</i> (1983) Rabbit leukocyte surface antigens defined by monoclonal antibodies. Eur J Immunol. 13: 919-28. 2. 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. Immunology. 77: 106-8. 3. Schock, A. and Reid, H.W. (1996) Characterisation of the lymphoproliferation in rabbits experimentally affected with malignant catarrhal fever. Vet Microbiol. 53: 111-9. 4. 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. PLoS ONE 3: e1627. 5. Hanson, N.B. & Lanning, D.K. (2008) Microbial induction of B and T cell areas in rabbit appendix. Dev Comp Immunol. 32 (8): 980-91. 6. Anderson, I.E. <i>et al.</i> (2008) Production and utilization of interleukin-15 in malignant catarrhal fever. J Comp Pathol. 138 (2-3): 131-44. 7. Wacławicek, M. <i>et al.</i> (2009) Analysis of the early response to TSST-1 reveals Vβ-unrestricted extravasation, compartmentalization of the response, and unresponsiveness but not anergy to TSST-1. J Leukoc Biol. 85 (1): 44-54. 8. 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. Toxins (Basel). 2 (9): 2272-88. 9. Zhao, L. <i>et al.</i> (2011) Evaluation of immunocompatibility of tissue-engineered periosteum. Biomed Mater. 6:015005. 10. Dewals, B. <i>et al.</i> (2011) <i>Ex vivo</i> bioluminescence detection of alcelaphine herpesvirus 1 infection during malignant catarrhal fever. J Virol. 85 (14): 6941-54. 11. Marques, R.M. <i>et al.</i> (2012) Early inflammatory response of young rabbits attending natural resistance to calicivirus (RHDV) infection. Vet Immunol Immunopathol. 150: 181-8. 12. 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. J Virol. 89 (13): 6619-32. 13. 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. Invest Ophthalmol Vis Sci. 56 (6): 4013-28. 14. Myser, 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. J Virol. 89 (7): 3630-47. 15. 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 Retained within the Trigeminal Ganglia of Latently Infected HLA Transgenic Rabbits. J Virol. 90 (8): 3913-28. 16. Khan, A.A. <i>et al.</i> (2018) Human Asymptomatic Epitope Peptide/CXCL10-Based Prime/Pull Vaccine Induces Herpes Simplex Virus-Specific Gamma Interferon-Positive

CD107⁺ CD8⁺ T Cells That Infiltrate the Corneas and Trigeminal Ganglia of Humanized HLA Transgenic Rabbits and Protect against Ocular Herpes Challenge. [J Virol. 92 \(16\): e00535-18.](#)

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21. Myster, F. *et al.* (2020) Alcelaphine herpesvirus 1 genes A7 and A8 regulate viral spread and are essential for malignant catarrhal fever. [PLoS Pathog. 16 \(3\): e1008405.](#)

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Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1576F10041>

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

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Printed on 24 May 2025