

Datasheet: MCA1080GA

BATCH NUMBER 166159

Description:	MOUSE ANTI HORSE CD8
Specificity:	CD8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CVS21
Isotype:	IgG2a
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	▪			1/25 - 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.

Target Species	Horse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% sodium azide (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Equine peripheral blood mononuclear cells.
Fusion Partners	Spleen cells from immunized mice were fused with cells of the X63-Ag 8.653 mouse myeloma cell line.
Specificity	<p>Mouse anti Horse CD8 antibody, clone CVS21 recognizes the equine homolog of human CD8. Equine CD8 is expressed by a subset of T lymphocytes.</p> <p>In addition to the CVS21 clone, other CVS clones recognising equine MHC and cell surface antigens are available.</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Ferreira-Dias, G. <i>et al.</i> (2005) Seasonal reproduction in the mare: possible role of plasma leptin, body weight and immune status. Domest Anim Endocrinol. 29: 203-13. 2. Krakowski, L. <i>et al.</i> (2017) Changes in blood lymphocyte subpopulations and expression of MHC-II molecules in wild mares before and after parturition J Vet Res. 61 (2): 217-21. 3. Schauer, M. <i>et al.</i> (2018) Interaction of septin 7 and DOCK8 in equine lymphocytes reveals novel insights into signaling pathways associated with autoimmunity. Sci Rep. 8 (1): 12332. 4. Tomlinson, J.E. <i>et al.</i> (2018) Multispectral fluorescence-activated cell sorting of B and T cell subpopulations from equine peripheral blood. Vet Immunol Immunopathol. 199: 22-31. 5. Hillmann, A. <i>et al.</i> (2019) A novel direct co-culture assay analyzed by multicolor flow cytometry reveals context- and cell type-specific immunomodulatory effects of equine mesenchymal stromal cells. PLoS One. 14 (6): e0218949. 6. Witonsky, S. <i>et al.</i> (2019) Can levamisole upregulate the equine cell-mediated macrophage (M1) dendritic cell (DC1) T-helper 1 (CD4 Th1) T-cytotoxic (CD8) immune response <i>in vitro</i>? J Vet Intern Med. 33 (2): 889-96. 7. Lucassen, A. <i>et al.</i> (2021) A <i>Saccharomyces cerevisiae</i> Fermentation Product (Olimond BB) Alters the Early Response after Influenza Vaccination in Racehorses. Animals (Basel). 11(9):2726. 8. Townsend, K.S. <i>et al.</i> (2023) Concurrent chronic lymphocytic leukemia and primary hyperparathyroidism in a mule. J Vet Intern Med. 37 (3): 1250-5. 9. Terpeluk, R.E. <i>et al.</i> (2024) Supplementation of Foals with a <i>Saccharomyces cerevisiae</i> Fermentation Product Alters the Early Response to Vaccination Animals. 14 (6): 960.
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/MCA1080GA>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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