

Datasheet: MCA1081PE

Description:	MOUSE ANTI HORSE CD11a/CD18:RPE
Specificity:	CD11a/CD18
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	CVS9
Isotype:	IgG1
Quantity:	100 TESTS

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

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 conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1.0 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin 5% sucrose		

Immunogen	Equine leucocytes.
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 CD11a/CD18 antibody, clone CVS9 recognizes the equine homolog of the human CD11a/CD18 cell surface antigen, a heterodimer expressed on all equine cells of haemopoietic origin. Equine CD11a/CD18 has higher expression on some subpopulations of T-cells.</p> <p>In addition to the CVS9 clone, other CVS clones recognising equine MHC and cell surface antigens are available from Bio-Rad.</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. Kydd, J. <i>et al.</i> (1994) Report of the First International Workshop on Equine Leucocyte Antigens, Cambridge, UK, July 1991. Vet Immunol Immunopathol. 42 (1): 3-60. 2. Lunn, D.P. <i>et al.</i> (1998) Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. Vet Immunol Immunopathol. 62 (2): 101-43. 3. Hammond, S.A. <i>et al.</i> (1999) Functional characterization of equine dendritic cells propagated ex vivo using recombinant human GM-CSF and recombinant equine IL-4. Vet Immunol Immunopathol. 71 (3-4): 197-214. 4. McClure JT <i>et al.</i> (2001) Immunophenotypic classification of leukemia in 3 horses. J Vet Intern Med. 15 (2): 144-52. 5. Laval, K. <i>et al.</i> (2015) Equine Herpesvirus Type 1 Enhances Viral Replication in CD172a+ Monocytic Cells upon Adhesion to Endothelial Cells. J Virol. 89 (21): 10912-23. 6. Schröck, C. <i>et al.</i> (2017) Bone marrow-derived multipotent mesenchymal stromal cells from horses after euthanasia. Vet Med Sci. 3 (4): 239-251. 7. Theuerkauf, K. <i>et al.</i> (2022) Activated platelets and platelet-leukocyte aggregates in the equine systemic inflammatory response syndrome. J Vet Diagn Invest. 10406387221077969.
Storage	<p>Store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA1081PE 20487
Regulatory	For research purposes only

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50

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