

## Datasheet: MCA1081PE

**BATCH NUMBER INN0112R**

<b>Description:</b>	MOUSE ANTI HORSE CD11a/CD18:RPE
<b>Specificity:</b>	CD11a/CD18
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	CVS9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Horse		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline.		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin 5% Sucrose		

<b>Immunogen</b>	Equine leucocytes.
<b>Fusion Partners</b>	Spleen cells from immunised mice were fused with cells of the X63-Ag 8.653 mouse myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Horse CD11a/CD18 antibody, clone CVS9</b> 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 <a href="#">CVS</a> clones recognising equine MHC and cell surface antigens are available from Bio-Rad.</p>
<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. Kydd, J. <i>et al.</i> (1994) Report of the First International Workshop on Equine Leucocyte Antigens, Cambridge, UK, July 1991. <a href="#">Vet Immunol Immunopathol. 42 (1): 3-60.</a></li> <li>2. Lunn, D.P. <i>et al.</i> (1998) Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. <a href="#">Vet Immunol Immunopathol. 62 (2): 101-43.</a></li> <li>3. McClure JT <i>et al.</i> (2001) Immunophenotypic classification of leukemia in 3 horses. <a href="#">J Vet Intern Med. 15 (2): 144-52.</a></li> <li>4. 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. <a href="#">Vet Immunol Immunopathol. 71 (3-4): 197-214.</a></li> <li>5. Laval, K. <i>et al.</i> (2015) Equine Herpesvirus Type 1 Enhances Viral Replication in CD172a+ Monocytic Cells upon Adhesion to Endothelial Cells. <a href="#">J Virol. 89 (21): 10912-23.</a></li> <li>6. Schröck, C. <i>et al.</i> (2017) Bone marrow-derived multipotent mesenchymal stromal cells from horses after euthanasia. <a href="#">Vet Med Sci. 3 (4): 239-251.</a></li> <li>7. Theuerkauf, K. <i>et al.</i> (2022) Activated platelets and platelet-leukocyte aggregates in the equine systemic inflammatory response syndrome. <a href="#">J Vet Diagn Invest. 10406387221077969.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C. 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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1081PE">https://www.bio-rad-antibodies.com/SDS/MCA1081PE</a> 20487
<b>Regulatory</b>	For research purposes only

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