

Datasheet: MCA1081F

Description:	MOUSE ANTI HORSE CD11a/CD18:FITC
Specificity:	CD11a/CD18
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	CVS9
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 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 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 G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		
Immunogen	Equine leucocytes.		
Fusion Partners	Spleen cells from immunised mice were fused with cells of the X63-Ag 8.653 mouse myeloma cell line.		
Specificity	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. Studies have indicated that equine CD11a/CD18 has higher expression on some subpopulations of T-cells.

In addition to the CVS9 clone, other [CVS](#) clones recognising equine MHC and cell surface antigens are available from Bio-Rad.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

- References**
1. Kydd, J. *et al.* (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. *et al.* (1998) Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. [Vet Immunol Immunopathol. 62 \(2\): 101-43.](#)
 3. Xu, J. *et al.* (2008) Characterization of equine P-selectin glycoprotein ligand-1 by using a specific monoclonal antibody. [Vet Immunol Immunopathol. 121 \(1-2\): 144-9.](#)
 4. Hammond, S.A. *et al.* (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.](#)
 5. Laval, K. *et al.* (2015) Equine Herpesvirus Type 1 Enhances Viral Replication in CD172a+ Monocytic Cells upon Adhesion to Endothelial Cells. [J Virol. 89 \(21\): 10912-23.](#)
 6. McClure JT *et al.* (2001) Immunophenotypic classification of leukemia in 3 horses. [J Vet Intern Med. 15 \(2\): 144-52.](#)
 7. Laval, K. *et al.* (2015) Equine Herpesvirus Type 1 Enhances Viral Replication in CD172a+ Monocytic Cells upon Adhesion to Endothelial Cells. [J Virol. 89 \(21\): 10912-23.](#)
 8. Schröck, C. *et al.* (2017) Bone marrow-derived multipotent mesenchymal stromal cells from horses after euthanasia. [Vet Med Sci. 3 \(4\): 239-251.](#)
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Storage Store at +4°C or at -20°C if preferred.

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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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