

Datasheet: MCA1081GA

Description:	MOUSE ANTI HORSE CD11a/CD18
Specificity:	CD11a/CD18
Format:	Purified
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	■			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 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 10 ⁶ cells in 100ul.
References	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. Xu, J. <i>et al.</i> (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. <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. 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. McClure JT <i>et al.</i> (2001) Immunophenotypic classification of leukemia in 3 horses. J Vet Intern Med. 15 (2): 144-52. 7. 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. 8. 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.
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 #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

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'M315162:180503'

Printed on 16 May 2018

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