

Datasheet: MCA1082F

BATCH NUMBER 1608

Description:	MOUSE ANTI HORSE CD44:FITC
Specificity:	CD44
Other names:	H-CAM, PGP-1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	CVS18
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 A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

Immunogen Equine leucocytes.

External Database Links

UniProt:

[Q05078](#) [Related reagents](#)

Entrez Gene:

[100034221](#) CD44 [Related reagents](#)

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 CVS18** recognizes equine CD44, a plasma membrane glycoprotein broadly expressed on the cell surface of leucocytes. CD44 is the primary receptor for hyaluronate and functions in cell adhesion.

Equine CD44 is widely expressed and Mouse anti Horse CD11a/CD18 antibody, clone CVS18 may be used as a pan equine leucocyte marker.

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

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Further Reading 1. Burk, J. *et al.* (2013) Equine cellular therapy--from stall to bench to bedside? [Cytometry A. 83 \(1\): 103-13.](#)

Storage Store at +4°C for one month or at -20°C for longer.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1082F>
10041

Regulatory For research purposes only

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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