

# Datasheet: MCA1082F BATCH NUMBER 164574

Description:	MOUSE ANTI HORSE CD44:FITC		
Specificity:	CD44		
Other names:	H-CAM, PGP-1		
Format:	FITC		
Product Type:	Monoclonal Antibody		
Clone:	CVS18		
Isotype:	lgG1		
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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	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         Max Ex/Em       Fluorophore       Excitation Max (nm)       Emission Max (nm)         FITC       490       525         Preparation       Purified IgG prepared by affinity chromatography on Protein A faculty supernatant
Max Ex/Em  Fluorophore Excitation Max (nm) Emission Max (nm)  FITC 490 525  Preparation Purified IgG prepared by affinity chromatography on Protein A f
FITC 490 525  Preparation Purified IgG prepared by affinity chromatography on Protein A f
Preparation Purified IgG prepared by affinity chromatography on Protein A f
3-1-1
Buffer Solution Phosphate buffered saline
Preservative 0.09% sodium azide (NaN <sub>3</sub> )  Stabilisers 1% bovine serum albumin

#### Concentrations

Immunogen	Equine leucocytes.
External Database	

# External Database

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 CD44 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.

Mouse anti Horse CD44 antibody, clone CVS18 may be used as a pan equine leucocyte marker.

## Flow Cytometry

Use 10µl of the suggested working dilution to label 10<sup>6</sup> cells in 100µl

#### References

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- 13. Alvarenga, A.M. *et al.* (2016) Feasibility and Safety of Endometrial Injection of Autologous Bone Marrow Mesenchymal Stem Cells in Mares J Eg Vet Sci. 42: 12-18.
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Further Reading	1. Burk, J. <i>et al.</i> (2013) Equine cellular therapyfrom stall to bench to bedside? <u>Cytometry A. 83 (1): 103-13.</u>
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.
	Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1082F">https://www.bio-rad-antibodies.com/SDS/MCA1082F</a> 10041
Regulatory	For research purposes only

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