

Datasheet: MCA1082F BATCH NUMBER 155261

Description:	MOUSE ANTI HORSE CD44:FITC	
Specificity:	CD44	
Other names:	H-CAM, PGP-1	
Format:	FITC Monoclonal Antibody	
Product Type:		
Clone:	CVS18	
Isotype:	lgG1	
Quantity:	0.1 mg	

Product Details

Applications	This product has been derived from testing wit communications from th information. For genera rad-antibodies.com/pro	ations or personal ndicated for further			
		Yes No	Not Determined	Suggested Dilution	
	Flow Cytometry	•		Neat - 1/10	
	Where this antibody ha necessarily exclude its a guide only. It is recom system using appropria	use in such procedu nmended that the us	ures. Suggested workin er titrates the antibody	ng dilutions are given as	
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 b supernatant	oy affinity chromatog	raphy on Protein A fror	m tissue culture	
Buffer Solution	Phosphate buffered saline				
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin				
Approx. Protein	IgG concentration 0.1 n	ng/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 10 ⁶ cells in 100ul.		
References	 Kydd, J. <i>et al.</i> (1994) Report of the First International Workshop on Equine Leucocyte Antigens, Cambridge, UK, July 1991. <u>Vet Immunol Immunopathol. 42 (1): 3-60.</u> Rappocciolo, G. <i>et al.</i> (2003) Down-regulation of MHC class I expression by equine herpesvirus-1 <u>J Gen Virol. 84: 293-300</u> De Schauwer, C. <i>et al.</i> (2012) In search for cross-reactivity to immunophenotype equine mesenchymal stromal cells by multicolor flow cytometry. <u>Cytometry A. 81: 312-23.</u> Radcliffe, C.H. <i>et al.</i> (2010) Temporal analysis of equine bone marrow aspirate during establishment of putative mesenchymal progenitor cell populations. <u>Stem Cells Dev. 19</u>: <u>269-82</u>. Carrade, D.D. <i>et al.</i> (2012) Comparative Analysis of the Immunomodulatory Properties of Equine Adult-Derived Mesenchymal Stem Cells(). <u>Cell Med. 4 (1): 1-11.</u> Maia, L. <i>et al.</i> (2013) Immunophenotypic, immunocytochemistry, ultrastructural, and cytogenetic characterization of mesenchymal stem cells from equine bone marrow. <u>Microsc Res Tech. 76 (6): 618-24.</u> Soboll, G. <i>et al.</i> (2015) Phenotypic and immunomodulatory properties of equine. <u>Nai and influenza virus hemagglutinin-DNA in ponies generates a local IgA response. <u>Vaccine, 21 (21-22)</u>: <u>3081-92.</u></u> Tessier, L. <i>et al.</i> (2015) Chondrogenic Priming at Reduced Cell Density Enhances Cartilage Adhesion of Equine Allogeneic MSCs - a Loading Sensitive Phenomenon in an Organ Culture Study with 180 Explants. <u>Cell Physiol Biochem. 37 (2): 651-665.</u> Gomiero, C. <i>et al.</i> (2016) Tenogenic induction of equine mesenchymal stem cells by 		

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	bone marrow mesenchymal stem cells in horses. <u>BMC Vet Res. 11: 63.</u>
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Further Reading	1. Burk, J. <i>et al.</i> (2013) Equine cellular therapyfrom stall to bench to bedside? <u>Cytometry</u> <u>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

For research purposes	s only	
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