

## Datasheet: MCA2385F BATCH NUMBER 1807

Description:	MOUSE ANTI HORSE CD8:FITC
Specificity:	CD8
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	CVS8
lsotype:	lgG1
Quantity:	0.1 mg

## **Product Details**

Applications	This product has been reported to work in the following applications. This informati							
	derived from testing within our laboratories, peer-reviewed publications or personal							
	communications from the originators. Please refer to references indicated for fur							
	information. For general protocol recommendations, please visit <u>www.bio-</u>							
	rad-antibodies.com/protocols.							
		Yes	No	Not Determined	Suggested Dilution			
	Flow Cytometry	-			Neat - 1/10			
	Immunofluorescence							
	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 recor	mmended that	the user	titrates the antib	ody for use in their own			
	system using appropria	ate negative/p	ositive co	ontrols.				
Target Species	Horse							
Species Cross	Reacts with: Ass							
Reactivity	Does not react with:Zebra							
	<b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross							
	reactivity is derived fro	m testing with	ithin our laboratories peer-reviewed publications or					
	personal communication	ons from the o	riginators	. Please refer to	references indicated for			
	further information.							
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid							
Max Ex/Em	Fluorophore	Excitation Ma	x (nm) E	Emission Max (nn	n)			
	FITC	490		525				
Duonostio					<b>6</b>			
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture							
	supernatant							

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Equine PBMCs.
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
Specificity	<b>Mouse anti Horse CD8 (clone CVS8),</b> is a monoclonal antibody recognising the equine homologue of the human CD8 cell surface antigen which is expressed by a subset of T lymphocytes.
	A study undertaken using CVS8 to identify CD8 on several wild african equid species indicates that the CVS8 clone recognizes Somali wild ass ( <i>Equus asinus</i> ) but not Grévy's Zebra ( <i>E. grevyi</i> ) or Hartmann's Mountain Zebra ( <i>E. zebra</i> ) ( <u>Ibrahim 2007</u> ).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
References	<ol> <li>Lunn, D.P et al (1991) Three monoclonal antibodies identifying antigens on all equine T lymphocytes, and two mutually exclusive T-lymphocyte subsets <u>Immunology 74: 251-257.</u></li> <li>Jacks, S. (2007) Experimental infection of neonatal foals with Rhodococcus equi triggers adult-like gamma interferon induction. <u>Clin Vaccine Immunol. 14: 669-77.</u></li> <li>Pearson, W. <i>et al.</i> (2007) Low-dose ginseng (Panax quinquefolium) modulates the course and magnitude of the antibody response to vaccination against equid herpesvirus I in horses. <u>Can J Vet Res. 71: 213-7.</u></li> <li>Lunn, D.P. <i>et al.</i> (1998) Report of the second equine leucocyte antigen workshop, Squaw Valley, California July 1995. <u>Vet Immunol Immunopathol. 62: 101-143.</u></li> <li>Merant, C. <i>et al.</i> (2003) Cross-species reactivity of seven monoclonal antibodies with equine lymphocytes by flow cytometry. <u>Vet Res. 34: 791-801.</u></li> <li>Ibrahim, S (2007) Analysis of monoclonal antibody cross-reactivity with leukocytes from equids and cloning of CD28 <u>Chapter 5 in PhD Thesis Freie Universität Berlin</u></li> <li>Carossino, M. <i>et al.</i> (2019) Equine arteritis virus long-term persistence is orchestrated by CD8+ T lymphocyte transcription factors, inhibitory receptors, and the CXCL16/CXCR6 axis. <u>PLoS Pathog. 15 (7): e1007950.</u></li> </ol>
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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 An Informati	nd Safety on	Material Safety Da https://www.bio-ra 10041	at:						
Regulato	ry	For research purposes only							
Related Products									
Recommended Useful Reagents									
MOUSE ANTI HORSE CD4:RPE (MCA1078PE)									
North & South	Tel: +1 800 265 7	376 Worldwi	de Tel: +44	4 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21			
America	Fax: +1 919 878 Email: antibody_s	3751 ;ales_us@bio-rad.com	Fax: +4 Email: ;	4 (0)1865 852 739 antibody_sales_uk@bio-r	rad.com	Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com			
To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M366743:200529'									
Printed on 05 Feb 2024									

© 2024 Bio-Rad Laboratories Inc | Legal | Imprint