

Datasheet: MCA2385GA

BATCH NUMBER 148203

Description:	MOUSE ANTI HORSE CD8
Specificity:	CD8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CVS8
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

Species Cross Reactivity

Reacts with: Ass

Does not react with: Zebra

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

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 (NaN₃)

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 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 **Mouse anti Horse CD8 (clone CVS8)**, 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 (*Equus asinus*) but not Grévy's Zebra (*E. grevyi*) or Hartmann's Mountain Zebra (*E. zebra*) ([Ibrahim 2007](#)).

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

References

1. Lunn, D.P et al (1991) Three monoclonal antibodies identifying antigens on all equine T lymphocytes, and two mutually exclusive T-lymphocyte subsets [Immunology 74: 251-257.](#)
2. Jacks, S. (2007) Experimental infection of neonatal foals with *Rhodococcus equi* triggers adult-like gamma interferon induction. [Clin Vaccine Immunol. 14: 669-77.](#)
3. Pearson, W. *et al.* (2007) Low-dose ginseng (*Panax quinquefolium*) modulates the course and magnitude of the antibody response to vaccination against equid herpesvirus 1 in horses. [Can J Vet Res. 71: 213-7.](#)
4. Lunn, D.P. *et al.* (1998) Report of the second equine leucocyte antigen workshop, Squaw Valley, California July 1995. [Vet Immunol Immunopathol. 62: 101-143.](#)
5. Merant, C. *et al.* (2003) Cross-species reactivity of seven monoclonal antibodies with equine lymphocytes by flow cytometry. [Vet Res. 34: 791-801.](#)
6. Ibrahim, S (2007) Analysis of monoclonal antibody cross-reactivity with leukocytes from equids and cloning of CD28 [Chapter 5 in PhD Thesis Freie Universität Berlin](#)
7. Carossino, M. *et al.* (2019) Equine arteritis virus long-term persistence is orchestrated by CD8+ T lymphocyte transcription factors, inhibitory receptors, and the CXCL16/CXCR6 axis. [PLoS Pathog. 15 \(7\): e1007950.](#)

Storage Store at +4°C or at -20°C if preferred.

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 #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

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](https://www.bio-rad-antibodies.com/datasheets)
'M366744:200529'

Printed on 08 Feb 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)