

Datasheet: MCA1080PE

Description:	MOUSE ANTI HORSE CD8:RPE
Specificity:	CD8
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	CVS21
Isotype:	IgG2a
Quantity:	100 TESTS

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

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 R. Phycoerythrin (RPE) - lyophilized								
Reconstitution	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.								
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578		
Fluorophore	Excitation Max (nm)	Emission Max (nm)							
RPE 488nm laser	496	578							
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant								
Preservative	0.09% Sodium Azide (NaN ₃)								
Stabilisers	1% Bovine Serum Albumin 5% Sucrose								
Immunogen	Equine peripheral blood mononuclear cells.								
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 CD8 antibody, clone CVS21 recognizes the equine homolog of human CD8. Equine CD8 is expressed by a subset of T lymphocytes.								

In addition to the CVS21 clone, other [CVS](#) clones recognising equine MHC and cell surface antigens are available.

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

References

1. Ferreira-Dias, G. *et al.* (2005) Seasonal reproduction in the mare: possible role of plasma leptin, body weight and immune status. [Domest Anim Endocrinol. 29: 203-13.](#)
2. Krakowski, L. *et al.* (2017) Changes in blood lymphocyte subpopulations and expression of MHC-II molecules in wild mares before and after parturition [J Vet Res. 61 \(2\): 217-21.](#)

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. This product is photosensitive and should be protected from light.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10075 available at:
10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HORSE CD4:FITC \(MCA1078F\)](#)

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

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