

Datasheet: MCA1079GA

Description:	MOUSE ANTI HORSE CD5
Specificity:	CD5
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CVS5
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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Equine leucocytes.
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse X63-Ag8.653

myeloma cell line.

Specificity	<p>Mouse anti Horse CD5 antibody, clone CVS5 recognizes the equine CD5 antigen, a single-pass type I membrane protein with an approximate molecular weight of 69 kDa. Equine CD5 is expressed on the majority of T-lymphocytes, in addition it has been reported that equine CD5 may also be detected at very low levels on B-cells and granulocytes.</p> <p>In addition to the CVS5 clone, other CVS clones recognising equine MHC and cell surface antigens are available from Bio-Rad.</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none">1. Lunn, D.P. <i>et al.</i> (1991) Three monoclonal antibodies identifying antigens on all equine T lymphocytes, and two mutually exclusive T-lymphocyte subsets. Immunology. 74 (2): 251-7.2. Lunn, D.P. <i>et al.</i> (1998) Report of the Second Equine Leucocyte Antigen Workshop, Squaw valley, California, July 1995. Vet Immunol Immunopathol. 62 (2): 101-43.3. Moyo, N.A. <i>et al.</i> (2013) Differentiation and activation of equine monocyte-derived dendritic cells are not correlated with CD206 or CD83 expression. Immunology. 139 (4): 472-83.4. Mayall, S. <i>et al.</i> (2001) The anti-human CD21 antibody, BU33, identifies equine B cells. J Comp Pathol. 124 :83-7.5. Siedek, E. <i>et al.</i> (1997) Isolation and characterisation of equine dendritic cells. Vet Immunol Immunopathol. 60: 15-31.6. Colbath AC <i>et al.</i> (2016) Autologous and Allogeneic Equine Mesenchymal Stem Cells Exhibit Equivalent Immunomodulatory Properties <i>In Vitro</i>. Stem Cells Dev. Dec 13. [Epub ahead of print]7. Ziegler, A. <i>et al.</i> (2016) Equine dendritic cells generated with horse serum have enhanced functionality in comparison to dendritic cells generated with fetal bovine serum. BMC Vet Res. 12 (1): 254.8. Ziegler, A. <i>et al.</i> (2016) Identification and characterization of equine blood plasmacytoid dendritic cells. Dev Comp Immunol. 65: 352-7.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
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

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

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

Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),
[DyLight®800](#), [FITC](#), [HRP](#)

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