

Datasheet: MCA2262GA

BATCH NUMBER 169086

Description:	MOUSE ANTI PIG CD46
Specificity:	CD46
Other names:	MEMBRANE CO-FACTOR PROTEIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	JM6C11
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	▪			1/10
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Pig
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 (NaN ₃)

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Porcine peripheral blood mononuclear cells
External Database Links	<p>UniProt: O02839 Related reagents</p> <p>Entrez Gene: 396922 CD46 Related reagents</p>
Synonyms	MCP
RRID	AB_1102608
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 - Ag14 myeloma cell line
Specificity	<p>Mouse anti Pig CD46 antibody, clone JM6C11 recognizes porcine CD46, also known as membrane cofactor protein (MCP). CD46 is a ~45-65 kDa single pass type 1 transmembrane glycoprotein expressed by all peripheral blood cells.</p> <p>Mouse anti Pig CD46 antibody, clone JM6C11 inhibits functional MCP cofactor activity as measured by inhibition of cleavage of the α chain of C3 (Pérez De La Lastra et al. 1999).</p>
Flow Cytometry	Use 10 μ l of the suggested working dilution to label 10 ⁶ cells in 100 μ l
References	<ol style="list-style-type: none"> van den Berg, C.W. <i>et al.</i> (1997) Purification and characterization of the pig analogue of human membrane cofactor protein (CD46/MCP). J Immunol. 158: 1703-9. Haverson, K. <i>et al.</i> (2001) Overview of the Third International Workshop on Swine Leukocyte Differentiation Antigens. Vet Immunol Immunopathol. 80: 5-23. Pérez De La Lastra, J.M. <i>et al.</i> (1999) Epitope mapping of 10 monoclonal antibodies against the pig analogue of human membrane cofactor protein (MCP). Immunology. 96: 663-70. Dräger, C. <i>et al.</i> (2015) Porcine complement regulatory protein CD46 and heparan sulfates are the major factors for classical swine fever virus attachment in vitro. Arch Virol. 160: 739-46.
Further Reading	1. Piriou-Guzylack, L. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39: 54.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in</p>

frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2262GA 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 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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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)
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Printed on 31 Jul 2024