

Datasheet: MCA2310GA

Description:	MOUSE ANTI PIG CD46
Specificity:	CD46
Other names:	MEMBRANE CO-FACTOR PROTEIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	6D8/8
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 - 1/50
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 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	Porcine peripheral blood mononuclear cells
External Database Links	<p>UniProt: O02839 Related reagents</p> <p>Entrez Gene: 396922 CD46 Related reagents</p>
Synonyms	MCP
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63-Ag.8.653 myeloma cell line
Specificity	<p>Mouse anti Pig CD46, clone 6D8/8 recognizes the porcine CD46 cell surface antigen, a ~50-60 kDa glycoprotein also known as membrane cofactor protein (MCP).</p> <p>Porcine CD46 is expressed on a wide range of cells including leucocytes, platelets and erythrocytes. CD46 serves as an inhibitor of complement activation on host cells.</p> <p>Mouse anti Pig CD46, clone 6D8/8 induces homotypic cell aggregation, (Bullido <i>et al.</i> 2000). .</p> <p>Mouse anti pig CD46, clone 6D8/8 detects a series of closely apposed bands of approximately 50-60 kDa in pig erythrocyte lysates (Perez De La Lastra <i>et al.</i> 1999).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Bullido, R. <i>et al.</i> (2000) Induction of aggregation in porcine lymphoid cells by antibodies to CD46. Vet Immunol Immunopathol. 73: 73-81. 2. Perez 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: 663-670. 3. 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	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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 (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , 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
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M383679:210513'

Printed on 20 Sep 2021