

Datasheet: MCA2310GA

BATCH NUMBER 161373

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| 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.

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| 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) |

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| 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.

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| 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/MCA2310GA 10040 |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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| 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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