

Datasheet: MCA2328GA

BATCH NUMBER 168992

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| Description: | MOUSE ANTI DOG IgG2 |
| Specificity: | IgG2 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | CA4F1 |
| 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 | ▪ | | | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1/15,000 - 1/150,000 |
| 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 | Dog |
| Species Cross Reactivity | <p>Reacts with: Goat, Rabbit, Sheep, Human</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p> |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |

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| 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 | Canine IgG |
| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line |
| Specificity | Mouse anti Dog IgG2 antibody, clone CA4F1 recognizes the canine IgG2 heavy chain. ELISA tests have shown that this clone does not react with canine IgG1, IgA or IgM (Arce et al. 2002). Mouse anti Dog IgG2, clone CA4F1 may react with the Fab portion of the canine IgG2 heavy chain. |
| Flow Cytometry | Use 10µl of the suggested working dilution to label 1x10 ⁶ cells in 100µl |
| References | <ol style="list-style-type: none"> 1. Arce, C. <i>et al.</i> (2002) Production and characterization of monoclonal antibodies against dog immunoglobulin isotypes. Vet Immunol Immunopathol. 88 (1-2): 31-41. 2. Pérez, J. <i>et al.</i> (2002) Comparison of three monoclonal and three polyclonal antibodies in the immunohistochemical diagnosis of canine autoimmune skin diseases. Vet Dermatol. 13 (5): 231-6. |
| 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 frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2328GA 10040 |
| Regulatory | For research purposes only |

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](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
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](#)

Recommended Negative Controls

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

Recommended Useful Reagents

[MOUSE ANTI DOG IgA \(MCA631GA\)](#)
[MOUSE ANTI DOG IgE \(MCA1895\)](#)
[MOUSE ANTI DOG IgE \(MCA1896\)](#)
[GOAT ANTI DOG IgM \(AAI30\)](#)
[GOAT ANTI DOG IgA \(AAI31\)](#)
[GOAT ANTI DOG IgG1 \(AHP947\)](#)
[SHEEP ANTI DOG IgG2 \(AHP948\)](#)

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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
'M414532:221211'

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