

Datasheet: MCA6004PB

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| Description: | RAT IgG1 NEGATIVE CONTROL:Pacific Blue® |
| Specificity: | RAT IgG1 NEGATIVE CONTROL |
| Format: | Pacific Blue® |
| Product Type: | Negative/Isotype Control |
| Isotype: | IgG1 |
| Quantity: | 100 TESTS/1ml |

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 |
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| Flow Cytometry | ■ | | | * |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. *This antibody should be used at the same concentration as the test antibody.

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| Target Species | Negative Control | | |
| Product Form | Purified IgG - liquid conjugated to Pacific Blue® liquid | | |
| Max Ex/Em | Fluorophore | Excitation Max (nm) | Emission Max (nm) |
| | Pacific Blue® | 410 | 455 |
| 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) 1% Bovine Serum Albumin | | |
| Approx. Protein Concentrations | IgG concentration 0.05 mg/ml | | |
| Immunogen | Horseradish peroxidase | | |
| Specificity | Rat IgG1 negative control , a rat monoclonal raised against horseradish peroxidase, is | | |

recommended for use as a negative control to assess the level of non-specific binding of rat IgG1 test antibodies to the surface of human and mouse cells in flow cytometry.

Test results have shown that this antibody is also suitable for use as a negative control with porcine and canine cells.

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| Flow Cytometry | Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul |
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| References | <p>1. do Prado Duzanski, A. <i>et al.</i> (2022) Cell-mediated immunity and expression of MHC class I and class II molecules in dogs naturally infected by canine transmissible venereal tumor: Is there complete spontaneous regression outside the experimental CTVT? Research in Veterinary Science. 145: 193-204.</p> <p>2. Matralis, D.T. <i>et al.</i> (2023) Intracellular IFN-γ and IL-4 levels of CD4 + and CD8 + T cells in the peripheral blood of naturally infected (<i>Leishmania infantum</i>) symptomatic dogs before and following a 4-week treatment with miltefosine and allopurinol: a double-blinded, controlled and cross-sectional study. Acta Vet Scand. 65 (1): 2.</p> |
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| 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. |
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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| Guarantee | 12 months from date of despatch |
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| Acknowledgements | This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com |
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| Health And Safety Information | Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6004PB 10041 |
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| Regulatory | For research purposes only |
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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
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