

## Datasheet: MCA6005PB

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>Description:</b>  | RAT IgG2a NEGATIVE CONTROL:PacificBlue® |
| <b>Specificity:</b>  | RAT IgG2a NEGATIVE CONTROL              |
| <b>Format:</b>       | Pacific Blue®                           |
| <b>Product Type:</b> | Negative/Isotype Control                |
| <b>Isotype:</b>      | IgG2a                                   |
| <b>Quantity:</b>     | 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](http://www.bio-rad-antibodies.com/protocols).

|                | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ■   |    |                | Neat               |

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.

|                                |                                                                                                                                                                                                                                                              |                     |                   |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| Target Species                 | Negative Control                                                                                                                                                                                                                                             |                     |                   |
| Product Form                   | Purified IgG 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                                                                                                                                                                                           |                     |                   |
| Buffer Solution                | Phosphate buffered saline                                                                                                                                                                                                                                    |                     |                   |
| Preservative                   | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                                                                                                       |                     |                   |
| Stabilisers                    | 1% Bovine Serum Albumin                                                                                                                                                                                                                                      |                     |                   |
| Approx. Protein Concentrations | IgG concentration 0.05 mg/ml                                                                                                                                                                                                                                 |                     |                   |
| Immunogen                      | Trinitrophenol                                                                                                                                                                                                                                               |                     |                   |
| Specificity                    | Rat IgG2a negative control, a rat monoclonal raised against trinitrophenol, is recommended for use as a negative control to assess the level of non-specific binding of rat IgG2a 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.                                                                                                                                     |                     |                   |
| Flow Cytometry                 | Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul                                                                                                                                                                         |                     |                   |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Shelf Life</b>                    | 12 months from date of despatch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Acknowledgements</b>              | <p>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 purchase 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 <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.com</a></p> |
| <b>Health And Safety Information</b> | <p>Material Safety Datasheet documentation #10041 available at:<br/>10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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