

## Datasheet: MCA6004PB

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>Description:</b>  | RAT IgG1 NEGATIVE CONTROL:Pacific Blue® |
| <b>Specificity:</b>  | RAT IgG1 NEGATIVE CONTROL               |
| <b>Format:</b>       | Pacific Blue®                           |
| <b>Product Type:</b> | Negative/Isotype Control                |
| <b>Isotype:</b>      | IgG1                                    |
| <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 | ■   |    |                | *                  |

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.

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                  |                            |                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|
| <b>Target Species</b>                 | Negative Control                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                          |
| <b>Product Form</b>                   | Purified IgG - liquid conjugated to Pacific Blue® liquid                                                                                                                                                                                                                                                                                                                                                         |                            |                          |
| <b>Max Ex/Em</b>                      | <b>Fluorophore</b>                                                                                                                                                                                                                                                                                                                                                                                               | <b>Excitation Max (nm)</b> | <b>Emission Max (nm)</b> |
|                                       | Pacific Blue®                                                                                                                                                                                                                                                                                                                                                                                                    | 410                        | 455                      |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant                                                                                                                                                                                                                                                                                                                    |                            |                          |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                                                                        |                            |                          |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin                                                                                                                                                                                                                                                                                                                                                |                            |                          |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.05 mg/ml                                                                                                                                                                                                                                                                                                                                                                                     |                            |                          |
| <b>Immunogen</b>                      | Horseradish peroxidase                                                                                                                                                                                                                                                                                                                                                                                           |                            |                          |
| <b>Specificity</b>                    | <p><b>Rat IgG1 negative control</b>, 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.</p> <p>Test results have shown that this antibody is also suitable for use as a negative control with porcine and canine cells.</p> |                            |                          |

**Flow Cytometry** Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory** For research purposes only

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