

## Datasheet: MCA6006P750

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Description:</b>  | RAT IgG2b NEGATIVE CONTROL:RPE-Alexa Fluor® 750 |
| <b>Specificity:</b>  | RAT IgG2b NEGATIVE CONTROL                      |
| <b>Format:</b>       | RPE-ALEXA FLUOR® 750                            |
| <b>Product Type:</b> | Negative/Isotype Control                        |
| <b>Isotype:</b>      | IgG2b                                           |
| <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.

|                             |                                                                                                                                                                                                                                                   |                     |                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|
| Target Species              | Negative Control                                                                                                                                                                                                                                  |                     |                   |
| Product Form                | Purified IgG conjugated to R. Phycoerythrin (RPE): Alexa Fluor® 750 - lyophilized                                                                                                                                                                 |                     |                   |
| Reconstitution              | Reconstitute with 1.0 ml distilled water<br>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.                       |                     |                   |
| Max Ex/Em                   | Fluorophore                                                                                                                                                                                                                                       | Excitation Max (nm) | Emission Max (nm) |
|                             | RPE-Alexa Fluor®750<br>488nm laser                                                                                                                                                                                                                | 496                 | 779               |
|                             | RPE-Alexa Fluor®750<br>561nm laser                                                                                                                                                                                                                | 546                 | 779               |
| Preparation                 | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant                                                                                                                                                     |                     |                   |
| Buffer Solution             | Phosphate buffered saline                                                                                                                                                                                                                         |                     |                   |
| Preservative<br>Stabilisers | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin                                                                                                                                                                                 |                     |                   |
| Immunogen                   | KLH                                                                                                                                                                                                                                               |                     |                   |
| Specificity                 | Rat IgG2b negative control, a rat monoclonal raised against KLH, is recommended for use as a negative control to assess the level of non-specific binding of rat IgG2b 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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| <b>Flow Cytometry</b>                | Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>                       | Prior to reconstitution store at +4°C.<br>After reconstitution store at +4°C.<br>DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Shelf Life</b>                    | 18 months from date of despatch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Acknowledgements</b>              | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research conducted by the buyer, 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> |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10075 available at:<br>10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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