

## Datasheet: MCA1209EL

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin |
| <b>Specificity:</b>  | MOUSE IgG1 NEGATIVE CONTROL               |
| <b>Format:</b>       | Low Endotoxin                             |
| <b>Product Type:</b> | Negative/Isotype Control                  |
| <b>Isotype:</b>      | IgG1                                      |
| <b>Quantity:</b>     | 0.5 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](http://www.bio-rad-antibodies.com/protocols).

|                            | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry             | ■   |    |                |                    |
| Immunohistology - Frozen   |     |    | ■              |                    |
| Immunohistology - Paraffin |     |    | ■              |                    |
| ELISA                      |     |    | ■              |                    |
| Immunoprecipitation        |     |    | ■              |                    |
| Western Blotting           |     |    | ■              |                    |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures.\* It is recommended that the user dilutes the antibody to a concentration equivalent to their test reagent.

|                                       |                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Target Species</b>                 | Negative Control                                                                                  |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                             |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant     |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                         |
| <b>Preservative Stabilisers</b>       | None present                                                                                      |
| <b>Carrier Free</b>                   | Yes                                                                                               |
| <b>Endotoxin Level</b>                | <0.01 EU/ug                                                                                       |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                                                       |
| <b>Immunogen</b>                      | Human T lymphocytes.                                                                              |
| <b>Fusion Partners</b>                | Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line. |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specificity</b>                   | <p><b>Mouse IgG1 Negative Control antibody</b> is suitable for use as a negative control to assess non-specific binding of mouse IgG1 antibodies to target cells. Mouse IgG1 Negative Control antibody has been tested and found to be negative on the following rat cell types, peripheral blood leucocytes, thymocytes, splenocytes and macrophages.</p> <p>Clone F8-11-13 recognises the human CD45RA antigen, and therefore human leucocytes may be used as a positive control for this product. NOT SUITABLE FOR USE AS A NEGATIVE CONTROL ON HUMAN TISSUES</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Flow Cytometry</b>                | Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>References</b>                    | <ol style="list-style-type: none"> <li>1. Weiss, D.J. <i>et al.</i> (2008) Bovine monocyte TLR2 receptors differentially regulate the intracellular fate of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> and <i>Mycobacterium avium</i> subsp. <i>avium</i>. <a href="#">J Leukoc Biol. 83 (1): 48-55.</a></li> <li>2. Chen, W. <i>et al.</i> (2009) Expression of toll-like receptor 4 in uvea-resident tissue macrophages during endotoxin-induced uveitis. <a href="#">Mol Vis. 15: 619-28.</a></li> <li>3. Safeukui I <i>et al.</i> (2015) Malaria induces anemia through CD8+ T cell-dependent parasite clearance and erythrocyte removal in the spleen. <a href="#">MBio. 6 (1) pii: e02493-14.</a></li> <li>4. Aricha, R. <i>et al.</i> (2016) Suppression of experimental autoimmune myasthenia gravis by autologous T regulatory cells. <a href="#">J Autoimmun. 67: 57-64.</a></li> <li>5. Wattedegedera, S.R. <i>et al.</i> (2017) Enhancing the toolbox to study IL-17A in cattle and sheep. <a href="#">Vet Res. 48 (1): 20.</a></li> </ol> |
| <b>Storage</b>                       | <p>Store at -20°C only.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
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