

## Datasheet: MCA6077F

**BATCH NUMBER 157883**

|                      |                           |
|----------------------|---------------------------|
| <b>Description:</b>  | RAT ANTI MOUSE Ly-6G:FITC |
| <b>Specificity:</b>  | Ly-6G                     |
| <b>Format:</b>       | FITC                      |
| <b>Product Type:</b> | Monoclonal Antibody       |
| <b>Clone:</b>        | 1A8                       |
| <b>Isotype:</b>      | IgG2a                     |
| <b>Quantity:</b>     | 0.1 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 | ▪   |    |                | 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. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

| <b>Target Species</b>                 | Mouse  |                   |                     |                   |      |     |     |
|---------------------------------------|--|-------------------|---------------------|-------------------|------|-----|-----|
| <b>Product Form</b>                   | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid   |                   |                     |                   |      |     |     |
| <b>Max Ex/Em</b>                      | <table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table> | Fluorophore       | Excitation Max (nm) | Emission Max (nm) | FITC | 490 | 525 |
| Fluorophore                           | Excitation Max (nm)  | Emission Max (nm) |                     |                   |      |     |     |
| FITC                                  | 490  | 525               |                     |                   |      |     |     |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography   |                   |                     |                   |      |     |     |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |                   |                     |                   |      |     |     |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )   |                   |                     |                   |      |     |     |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5 mg/ml  |                   |                     |                   |      |     |     |
| <b>Immunogen</b>                      | Ly-6G transfected EL-4J cell line  |                   |                     |                   |      |     |     |

|                                      |  |
|--------------------------------------|--|
| <b>External Database Links</b>       | <p><b>UniProt:</b><br/> <a href="#">P35461</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">546644</a>    Ly6g    <a href="#">Related reagents</a></p>  |
| <b>Fusion Partners</b>               | Spleen cells from immunized LEW/N rats were fused with cells from the murine SP2/0 myeloma.  |
| <b>Specificity</b>                   | <p><b>Rat anti Mouse Ly-6G antibody, clone 1A8</b> recognizes lymphocyte antigen 6 complex, locus G (Ly-6G).</p> <p>Ly-6G is a cell surface, glycosylphosphatidylinositol (GPI) anchored protein, expressed on granulocytes in the bone marrow and peripheral blood. Clone 1A8 has been used <i>in vivo</i> in mice to deplete neutrophils (<a href="#">Daley et al. 2008</a>).</p>  |
| <b>Flow Cytometry</b>                | Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul   |
| <b>References</b>                    | <ol style="list-style-type: none"> <li>Gabrielli, E. <i>et al.</i> (2018) <i>Saccharomyces cerevisiae</i>-based probiotic as novel anti-fungal and anti-inflammatory agent for therapy of vaginal candidiasis. <a href="#">Benef Microbes. 9 (2): 219-30.</a></li> <li>Rabadi, M.M. <i>et al.</i> (2019) Peptidyl arginine deiminase-4 exacerbates ischemic AKI by finding NEMO (NFκB Essential Modulator). <a href="#">Am J Physiol Renal Physiol. Apr 03 [Epub ahead of print].</a></li> </ol> |
| <b>Storage</b>                       | <p>Store at +4°C. DO NOT FREEZE.</p> <p>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>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6077F10040">https://www.bio-rad-antibodies.com/SDS/MCA6077F10040</a>   |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:FITC \(MCA1212F\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

