

## Datasheet: MCA6077F

**BATCH NUMBER 162551**

<b>Description:</b>	RAT ANTI MOUSE Ly-6G:FITC
<b>Specificity:</b>	Ly-6G
<b>Other names:</b>	Gr-1
<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>	<0.1% 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>  <a href="#">P35461</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <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. <a href="#">Am J Physiol Renal Physiol. 316 (6): F1180-F1190.</a></li> <li>Zhao, Y. <i>et al.</i> (2024) Costunolide Inhibits Chronic Kidney Disease Development by Attenuating IKKβ/NF-κB Pathway <a href="#">Drug Design, Development and Therapy. Volume 18: 2693-712.</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/MCA6077F">https://www.bio-rad-antibodies.com/SDS/MCA6077F</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

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

**North & South** Tel: +1 800 265 7376

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

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