

Datasheet: MCA6077F

Description:	RAT ANTI MOUSE Ly-6G:FITC
Specificity:	Ly-6G
Other names:	Gr-1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	1A8
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Mouse						
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
Max Ex/Em	<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					
Preparation	Purified IgG prepared by affinity chromatography						
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)						
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml						
Immunogen	Ly-6G transfected EL-4J cell line						

External Database Links	<p>UniProt: P35461 Related reagents</p> <p>Entrez Gene: 546644 Ly6g Related reagents</p>
Fusion Partners	Spleen cells from immunized LEW/N rats were fused with cells from the murine SP2/0 myeloma.
Specificity	<p>Rat anti Mouse Ly-6G antibody, clone 1A8 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 (Daley et al. 2008).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 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. Benef Microbes. 9 (2): 219-30. Rabadi, M.M. <i>et al.</i> (2019) Peptidyl arginine deiminase-4 exacerbates ischemic AKI by finding NEMO. Am J Physiol Renal Physiol. 316 (6): F1180-F1190. Zhao, Y. <i>et al.</i> (2024) Costunolide Inhibits Chronic Kidney Disease Development by Attenuating IKKβ/NF-κB Pathway Drug Design, Development and Therapy. Volume 18: 2693-712.
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6077F 10040
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

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

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