

Datasheet: MCA6077GA

BATCH NUMBER 167341

Description:	RAT ANTI MOUSE Ly-6G
Specificity:	Ly-6G
Other names:	Gr-1
Format:	Purified
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	▪			1/20

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 - liquid
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**

UniProt:

[P35461](#) [Related reagents](#)

Entrez Gene:

[546644](#) Ly6g [Related reagents](#)

Fusion Partners Spleen cells from immunized LEW/N rats were fused with cells from the murine SP2/0 myeloma.

Specificity **Rat anti Mouse Ly-6G antibody, clone 1A8** recognizes lymphocyte antigen 6 complex, locus G (Ly-6G).

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 *in vivo* in mice to deplete neutrophils ([Daley et al. 2008](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul

References

1. Gabrielli, E. *et al.* (2018) *Saccharomyces cerevisiae*-based probiotic as novel anti-fungal and anti-inflammatory agent for therapy of vaginal candidiasis. [Benef Microbes. 9 \(2\): 219-30.](#)
2. Rabadi, M.M. *et al.* (2019) Peptidyl arginine deiminase-4 exacerbates ischemic AKI by finding NEMO. [Am J Physiol Renal Physiol. 316 \(6\): F1180-F1190.](#)
3. Zhao, Y. *et al.* (2024) Costunolide Inhibits Chronic Kidney Disease Development by Attenuating IKK β /NF- κ B Pathway [Drug Design, Development and Therapy. Volume 18: 2693-712.](#)

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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/MCA6077GA>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®550](#), [DyLight®650](#), [DyLight®800](#)

Goat Anti Rat IgG (STAR131...)

[Alk. Phos.](#), [Biotin](#)

Goat Anti Rat IgG (STAR72...)

[HRP](#)

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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