

Product Datasheet

Ly-6G/Ly-6C Antibody (RB6-8C5) - Chimeric - Azide and BSA Free NBP3-11978-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP3-11978-0.2mg

Ly-6G/Ly-6C Antibody (RB6-8C5) - Chimeric - Azide and BSA Free

| Product Information | |
|---------------------|--|
| Unit Size | 0.2 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality | Monoclonal |
| Clone | RB6-8C5 |
| Preservative | 0.02% Proclin 300 |
| Isotype | IgG Kappa |
| Purity | Protein A purified |
| Buffer | PBS |

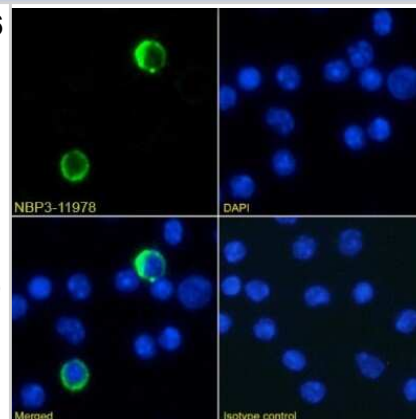
| Product Description | |
|-------------------------|---|
| Host | Rabbit |
| Gene ID | 546644 |
| Gene Symbol | Ly6g |
| Species | Mouse |
| Specificity/Sensitivity | This antibody is specific for murine Ly6G, a a 21-25 kDa glycosylphosphatidylinositol (GPI)-linked protein expressed by the myeloid-derived cells in a tightly developmentally-regulated manner in the bone marrow. Monocytes express Ly6G transiently during bone marrow development, while Ly6G expression in granulocytes and peripheral neutrophils directly correlates with the cell's level of differentiation and maturation. This hallmark makes Ly6G a good marker for these particular cell populations. Ly6G has also been implicated in the development of antitumor responses. |
| Immunogen | This antibody was raised in Lou-M rats using a popliteal lymph node immunisation and fusion protocol |

| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence |
| Application Notes | This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques. |

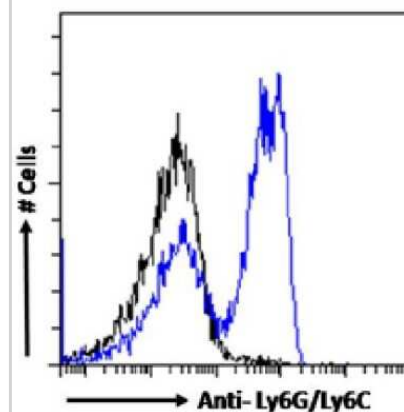


Images

Immunocytochemistry/Immunofluorescence: Ly-6G/Ly-6C Antibody (RB6-8C5) - Chimeric [NBP3-11978] - Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes immobilized on Shi-fix(TM) cover-slips and stained with the chimeric rabbit IgG version of RB6-8C5 (NBP3-11978) at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining in subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-11978, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody (NBP2-52638) followed by Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: Ly-6G/Ly-6C Antibody (RB6-8C5) - Chimeric [NBP3-11978] - Mouse splenocytes were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, black line) or the rabbit IgG version of RB6-8C5 (NBP3-11978, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-11978-0.2mg

| | |
|------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| M6000B-1 | IL-6 [HRP] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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