

Product Datasheet

Fc gamma RII/RIII (CD32/CD16) Antibody (2.4G2) - Azide and BSA Free NBP3-08984-0.2mg

Unit Size: 0.2 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP3-08984

Updated 9/9/2025 v.20.1

**Earn rewards for product
reviews and publications.**

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP3-08984



NBP3-08984-0.2mg

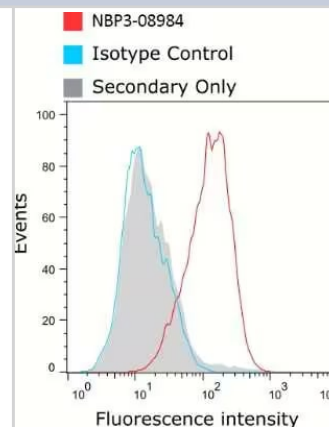
Fc gamma RII/RIII (CD32/CD16) Antibody (2.4G2) - Azide and BSA Free

| Product Information | |
|------------------------------------|---|
| Unit Size | 0.2 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 2.4G2 |
| Preservative | 0.02% Proclin 300 |
| Isotype | IgG2b Kappa |
| Purity | Protein A purified |
| Buffer | PBS |
| Product Description | |
| Description | Novus Biologicals Rat Fc gamma RII/RIII (CD32/CD16) Antibody (2.4G2) - Azide and BSA Free (NBP3-08984) is a recombinant monoclonal antibody validated for use in IHC, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rat |
| Gene ID | 2214 |
| Gene Symbol | FCGR3A |
| Species | Mouse |
| Immunogen | Mouse BALB/c Macrophage J774 Cell Line. |
| Product Application Details | |
| Applications | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Block/Neutralize |
| Recommended Dilutions | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize |
| Application Notes | This antibody binds murine Fc Receptors CD16/CD32 and inhibits binding of antibodies to these. It can therefore be used as an Fc-blocking reagent, to reduce non-specific staining of cells by antibodies binding via their Fc-region. A similar effect can be achieved using the Fc Silent range of antibodies made by Absolute Antibody that prevent these interactions at the level of the Fc receptor binding site, which has been mutated to lack affinity for the Fc receptors. |

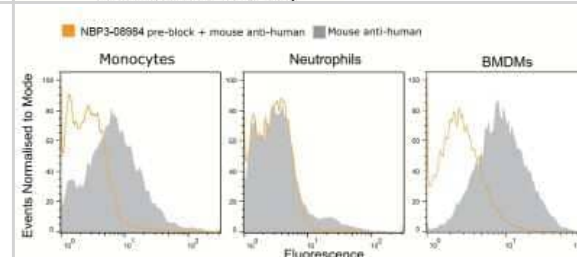


Images

Murine bone marrow-derived macrophages (BMDMs) were stained with anti-CD16/CD32 antibody NBP3-08984 (as well as isotype control) and bound antibody detected using goat IgG anti-rat IgG (H&L-chain) polyclonal antibody directly conjugated to Alexa Fluor(R) 647(AF647) commercially available from a competitor. Compared to the isotype control and secondary-only control, a CD16/CD32-positive population is apparent.



Ex vivo murine (C57BL6/J) monocytes and neutrophils (from zymosan-elicited peritoneal exudate, left and middle panel) as well as bone marrow-derived macrophages (BMDMs, right panel) were stained with a murine anti-human antibody (fluorescently labelled (AF647) human-specific anti-CD16) with or without pre-incubation with anti-mouse CD16/CD32 (Fc-receptors) antibody (NBP3-08984, clone 2.4G2). Pre-incubation of cells with anti-CD16/CD32 reduced non-specific binding of the fluorescently labelled antibody to all cell types analysed and shows that this anti-CD16/CD32 antibody acts as an Fc-blocking reagent.





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 NBP3-08984-0.2mg

| | |
|------------------|--|
| HAF005 | Goat anti-Rat IgG Secondary Antibody [HRP] |
| NB7115 | Goat anti-Rat IgG (H+L) Secondary Antibody [HRP] |
| NBP1-43323-0.5mg | Rat IgG2b Kappa Light Chain Isotype Control (149/10H5) |
| 210-TA-005 | TNF-alpha [Unconjugated] |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP3-08984

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

