

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.

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NBP3-08984-0.2mg

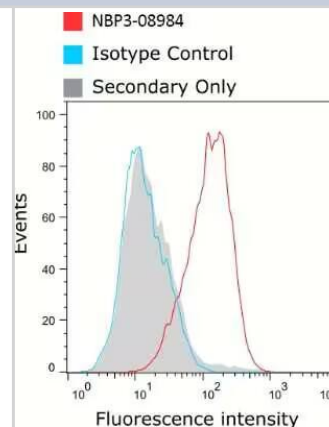
Fc gamma RII/RIII (CD32/CD16) Antibody (2.4G2) - Azide and BSA Free

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	
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.

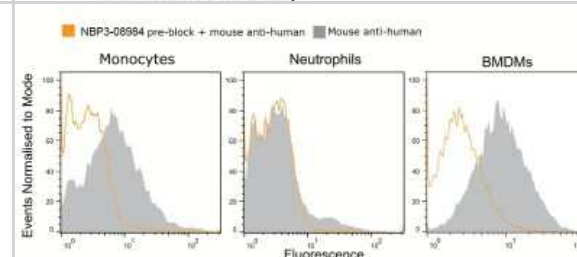


Images

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.





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Products Related to NBP3-08984-0.2mg

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
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.

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