

Product Datasheet

Fc gamma RIII (CD16) Antibody (MEM-154) - BSA Free NB500-378

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-378

Fc gamma RIII (CD16) Antibody (MEM-154) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MEM-154
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4

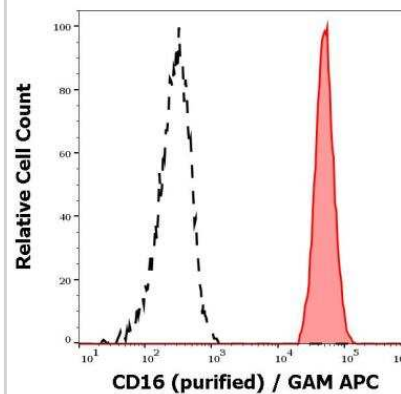
Product Description	
Description	Novus Biologicals Mouse Fc gamma RIII (CD16) Antibody (MEM-154) - BSA Free (NB500-378) is a monoclonal antibody validated for use in WB, Flow and IP. Anti-Fc gamma RIII (CD16) Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2214
Gene Symbol	FCGR3A
Species	Human
Specificity/Sensitivity	The antibody MEM-154 reacts with an epitope on CD16 antigen that is residing in proximity to FG loop (probably BC or C'E loop). CD16 is a low affinity receptor for aggregated IgG (FcgammaRIII antigen). The antibody MEM-154 reacts with CD16+ granulocytes. HLDA V; WS Code M MA068 HLDA V; WS Code NK NK51
Immunogen	Human granulocytes

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 5-10 ug/ml, Immunoprecipitation 1:50, Flow (Cell Surface), CyTOF-ready
Application Notes	Flow Cytometry - The antibody MEM-154 does not react with CD16a present on NK cells in many subjects. Immunoprecipitation Western Blot - Non-reducing conditions. Functional Application - The antibody MEM-154 blocks binding of human IgG to FcgammaRIII. This antibody is CyTOF ready.

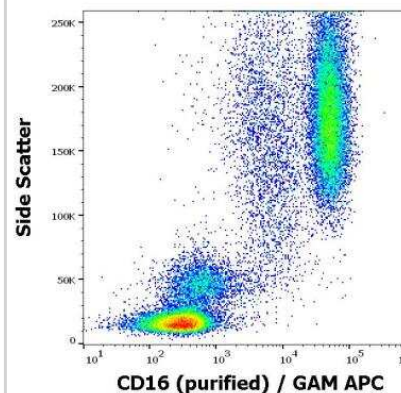


Images

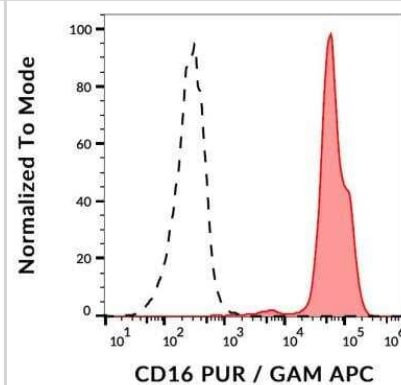
Flow Cytometry: Fc gamma RIII (CD16) Antibody (MEM-154) [NB500-378] - Separation of FasL transfected L5178Y cells stained using anti-human CD178 (NOK-1) purified antibody (concentration in sample 9 ug/ml, GAM APC, red-filled) from FasL transfected L5178Y cells unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).



Flow Cytometry: Fc gamma RIII (CD16) Antibody (MEM-154) [NB500-378] - Flow cytometry surface staining pattern of human peripheral blood stained using Fc gamma RIII (CD16) Antibody (MEM-154) purified antibody (concentration in sample 2 ug/ml) GAM APC.



Flow Cytometry: Fc gamma RIII (CD16) Antibody (MEM-154) - BSA Free [NB500-378] - Staining of human peripheral blood cells with anti-human CD16 (MEM-154) purified, GAM/APC.



Publications

Leukocyte Typing V, Schlossman S et al (Eds). Oxford University Press. 1995-01-01

Gasdaska JR, Sherwood S, Regan JT, Dickey LF. An afucosylated anti-CD20 monoclonal antibody with greater antibody-dependent cellular cytotoxicity and B-cell depletion and lower complement-dependent cytotoxicity than rituximab. *Mol Immunol*;50(3):134-41. 2012-03-01 [PMID: 22305040]

Tamm A, Schmidt RE. The binding epitopes of human CD16 (Fc gamma RIII) monoclonal antibodies. Implications for ligand binding. *J Immunol*;157(4):1576-81. 1996-08-15 [PMID: 8759741]

de Haas M, Koene HR, Kleijer M et al. A triallelic Fc gamma receptor type IIIA polymorphism influences the binding of human IgG by NK cell Fc gamma RIIIa. *J Immunol*;156(8):3948-55. 1996-04-15 [PMID: 8609432]



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Products Related to NB500-378

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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