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Datasheet

FCGR3B monoclonal antibody, clone MEM-154 (FITC)

Catalog Number: MAB4541

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native FCGR3B.

Clone Name: MEM-154

Immunogen: Native purified FCGR3B from human granulocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody reacts with the epitope on CD16 antigen that residing in proximity to FG loop (probably BC or C'E loop). This antibody reacts with CD16+ granulocytes.

Form: Liquid

Conjugation: FITC

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4°C. Do not freeze.
Avoid prolonged exposure to light.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2215

Gene Symbol: FCGR3B

Gene Alias: CD16, CD16b, FCG3, FCGR3

References:

1. IgE-mediated activation of NK cells through Fc gamma RIII. Arase N, Arase H, Hirano S, Yokosuka T, Sakurai D, Saito T. J Immunol. 2003 Mar 15;170(6):3054-8.
2. The binding epitopes of human CD16 (Fc gamma RIII) monoclonal antibodies. Implications for ligand binding. Tamm A, Schmidt RE. J Immunol. 1996 Aug 15;157(4):1576-81.
3. A triallelic Fc gamma receptor type IIIA polymorphism influences the binding of human IgG by NK cell Fc gamma RIIIa. de Haas M, Koene HR, Kleijer M, de Vries E, Simsek S, van Tol MJ, Roos D, von dem Borne AE. J Immunol. 1996 Apr 15;156(8):2948-55.