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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

FCGR3A monoclonal antibody, clone GRM1

Catalog Number: MAB4970

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native FCGR3A.

Clone Name: GRM1

Immunogen: Normal human peripheral blood granulocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt, IF
(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

Form: Liquid

Purification: Protein A/G purification

Isotype: IgG2a

Recommend Usage: Flow Cytometry (20 μ L/ 10^6 cells)
The optimal working dilution should be determined by the end user.

Storage Buffer: In buffer containing 1% BSA, pH 7.2 (0.09% sodium azide).

Storage Instruction: Store in the dark at 4°C. Avoid prolonged exposure to light.

Entrez GeneID: 2214

Gene Symbol: FCGR3A

Gene Alias: CD16, CD16A, FCG3, FCGR3, FCGR11, FCR-10, FCRII, FCRIIIA, IGFR3

Gene Summary: This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Comparative analysis of the morphological, cytochemical, immunophenotypical, and functional characteristics of normal human peripheral blood lineage(-)/CD16(+)/HLA-DR(+)/CD14(-/lo) cells, CD14(+) monocytes, and CD16(-) dendritic cells. Almeida J, Bueno C, Alguero MC, Sanchez ML, de Santiago M, Escibano L, Diaz-Agustin B, Vaquero JM, Laso FJ, San Miguel JF, Orfao A. Clin Immunol. 2001 Sep;100(3):325-38.
2. Peripheral natural killer cytotoxicity and CD56(pos)CD16(pos) cells increase during early pregnancy in women with a history of recurrent spontaneous abortion. Emmer PM, Nelen WL, Steegers EA, Hendriks JC, Veerhoek M, Joosten I. Hum Reprod. 2000 May;15(5):1163-9.
3. Clinical progression of HIV infection: role of NK cells. Bruunsgaard H, Pedersen C, Skinhoj P, Pedersen BK. Scand J Immunol. 1997 Jul;46(1):91-5.