

Datasheet

FCGR3A monoclonal antibody, clone 3G8 (PerCP)

Catalog Number: MAB13819

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against human FCGR3A.

Clone Name: 3G8

Immunogen: Human polymorphonuclear leukocytes.

Host: Mouse

Theoretical MW (kDa): 50-65

Reactivity: Human

Applications: Flow Cyt, Func, IHC-Fr, IP
(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

Conjugation: PerCP

Purification: Protein A/G purification

Purity: >90%

Isotype: IgG1

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

Storage Buffer: In PBS, pH 7.4 (protein stabilizer, 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, FCGR111, FCR-10, FCR111, FCR111A, 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]