

## Datasheet

### FCGR3A monoclonal antibody, clone 3G8 (PE)

**Catalog Number:** MAB10168

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against FCGR3A.

**Clone Name:** 3G8

**Immunogen:** Human neutrophils.

**Host:** Mouse

**Theoretical MW (kDa):** 50-65

**Reactivity:** Human, Non-Human Primates

**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:** PE

**Purification:** Size-exclusion chromatography purification

**Isotype:** IgG1

**Recommend Usage:** Flow Cytometry (6 ug/mL)  
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 at 4°C. Do not freeze.

**Entrez GeneID:** 2214

**Gene Symbol:** FCGR3A

**Gene Alias:** CD16, CD16A, FCG3, FCGR3, FCGR111, FCR-10, FCRI11, FCRI11A, 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]