

# ABflo® 594 Rabbit anti-Human/Monkey CD16 mAb

**Catalog No.: A24975**

## Basic Information

**Observed MW**

Refer to figures

**Calculated MW**

29KDa/26KDa

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Human, Cynomolgus

**CloneNo number**

ARC59985

**Conjugate**

ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

**FC** 5 µl per 10<sup>6</sup> cells in  
100 µl volume

## Background

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 responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. 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 are associated with immunodeficiency 20, and 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.

## Immunogen Information

**Gene ID**

2214/2215

**Swiss Prot**

P08637/O75015


**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

CD16; FCG3; CD16A; FCGR3; IGFR3; IMD20; FCR-10; FCRIII; CD16-II; FCGRIII; FCRIIIA; FcGRIIIA; CD16b

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

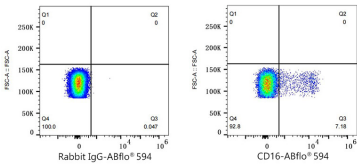
Affinity purification

**Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# Validation Data



Flow cytometry: 1X10<sup>6</sup> Human PBMC were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or ABflo® 594 Rabbit anti-Human CD16 mAb (A24975,5 µl/Test,right).