

# Anti-Monkey CD16 mAb

**Catalog No.: A28756**

## Basic Information

**Observed MW****Calculated MW**

29 kDa/26 kDa

**Category**

Primary antibody

**Applications**

IHC-P, mIHC

**Cross-Reactivity**

Cynomolgus monkey

**CloneNo number**

ARC5301-01

## 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.

## Recommended Dilutions

**IHC-P** 1:2000 - 1:8000**mIHC** 1:2000 - 1:8000

## Immunogen Information

**Gene ID**

102140945

**Swiss Prot**

/

**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; FcGRIII A

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

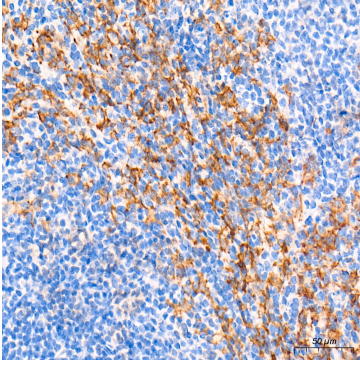
Affinity purification

**Storage**

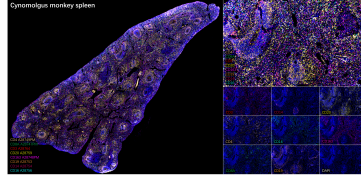
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Immunohistochemistry analysis of paraffin-embedded Cynomolgus monkey spleen tissue using Anti-Monkey CD16 mAb (A28756) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Cynomolgus monkey spleen tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Anti-Monkey CD4 PolymAb® (A28749PM, 1:400) with TSA-CFP440 (Light Brown), and Anti-Monkey CD8A Rabbit PolymAb® (A28747PM, 1:1000) with TSA-CFP490 (Green), and Anti-Monkey CD3 mAb (A28764, 1:1000) with TSA-CFP555 (Red), and Anti-Monkey CD20 mAb (A28759, 1:1000) with TSA-CFP645 (Yellow), and Anti-Monkey CD163 PolymAb® (A28748PM, 1:20000) with TSA-CFP440 (Magenta), and Anti-Monkey CD19 mAb (A28753, 1:400) with TSA-CFP490 (Orange), and Anti-Monkey CD14 mAb (A28754, 1:200) with TSA-CFP555 (Magenta), and Anti-Monkey CD16 mAb (A28756, 1:5000) with TSA-CFP649 (Cyan). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.