

# Anti-Monkey CD163 PolymAb®

Catalog No.: A28748PM

## Basic Information

### Observed MW

### Calculated MW

121 kDa/125 kDa

### Category

Primary antibody

### Applications

IHC-P, mIHC

### Cross-Reactivity

Cynomolgus monkey

## Background

The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

## Recommended Dilutions

IHC-P	1:20000 - 1:80000
mIHC	1:10000 - 1:40000

## Immunogen Information

### Gene ID

9332/93671

### Swiss Prot

Q86VB7/Q2VLH6

### Immunogen

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

### Synonyms

M130; MM130; SCAR11; CD163v2; CD163v3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

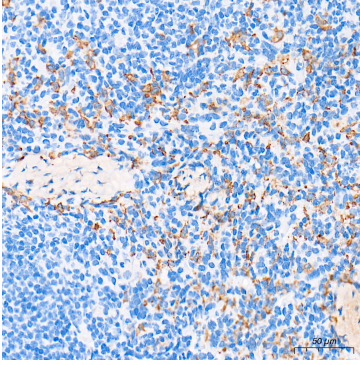
Affinity purification

### Storage

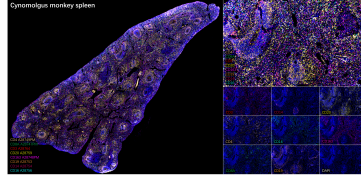
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Immunohistochemistry analysis of paraffin-embedded Cynomolgus monkey spleen tissue using Anti-Monkey CD163 PolymAb® (A28748PM) at a dilution of 1:40000 (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.