

# PE Rabbit anti-Mouse CD163 mAb

**Catalog No.: A27962**

## Basic Information

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

121kDa/125kDa

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Mouse

**CloneNo number**

ARC75110

**Conjugate**

PE. Ex:565nm. Em:574nm.

## Background

CD163 is a member of the Group B scavenger receptor cysteine-rich (SRCR) superfamily. It is also known as GHI/61, M130, RM3/1, p155, the hemoglobin-haptoglobin complex receptor, or macrophage-associated antigen. It is a glycoprotein with an apparent molecular weight of 134 kDa under non-reducing conditions and 155 kDa under reducing conditions. CD163 is predominantly expressed on macrophages, Kupffer cells, monocytes, subsets of dendritic cells, and subsets of hematopoietic stem/progenitor cells. CD163 binds the haptoglobin-hemoglobin (Hp-Hb) complex and TNF-like weak inducer of apoptosis (TWEAK). It serves as the receptor for hemoglobin scavenging and modulates cytokine production by macrophages. Membrane-bound CD163 can be proteolytically cleaved by metalloproteinases (e.g., ADAM17, MMPs), releasing its soluble form (sCD163). Elevated serum levels of sCD163 have been strongly associated with numerous inflammatory diseases.

## Recommended Dilutions

**FC** ≤0.25 µg per million cells  
in 100 µl volume

## Immunogen Information

**Gene ID**

93671

**Swiss Prot**

Q2VLH6

**Immunogen**

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

**Synonyms**

CD163v2; CD163v3; M130

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

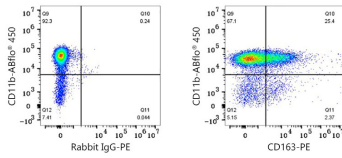
**Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry: 1X10<sup>6</sup> C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD11b (A26229,5 µl/Test) and PE Rabbit IgG isotype control (A24172,5 µl/Test, left) or PE Rabbit anti-Mouse CD163 mAb (A27962,0.25 µg, right).