

APC Rabbit anti-Mouse CD163 mAb

Catalog No.: A27963

Basic Information

Observed MW

Calculated MW

121kDa/125kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC75110

Conjugate

APC. Ex:650nm. Em:660nm.

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 ≤0.5 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

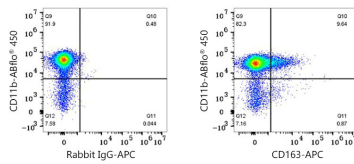
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1X10⁶ C57BL/6 mouse bone marrow cells were surface-stained with ABflo® 450 Rabbit anti-Mouse CD11b (A26229, 5 µl/Test) and APC Rabbit IgG isotype control (A24173, 5 µl/Test, left) or APC Rabbit anti-Mouse CD163 mAb (A27963, 0.5 µg, right).