

APC Rabbit anti-Human/Monkey CD11b mAb

Catalog No.: A28770

Basic Information

Observed MW

Calculated MW
127kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human, Cynomolgus

CloneNo number
ARC80870

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

Background

The differentiation antigen cluster molecule 11b (CD11b) / integrin α m (ITGAM) is a transmembrane protein that forms a heterodimer composed of α and β subunits. CD11b is expressed in myeloid cells and is commonly used as a marker for myeloid cells, such as neutrophils, monocytes, macrophages, and microglia. CD11b is phosphorylated at the Ser1126 site (cytoplasmic tail region) in neutrophils. Studies have shown that this phosphorylation activity plays a role in the process of white blood cells transferring from the bloodstream to tissues. Additionally, genome-wide association studies have indicated that CD11b is associated with autoimmune diseases such as systemic lupus erythematosus (SLE).

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l volume

Immunogen Information

Gene ID 3684	Swiss Prot P11215
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Immunogen

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

Synonyms

CD11B; CR3A; HNA-4; MAC-1; MAC1A; MO1A; SLEB6

Contact

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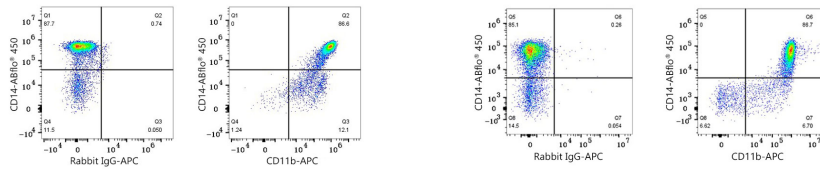
Product Information

Source Rabbit	Isotype IgG	Purification Affinity purification
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Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1×10^6 Human PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD14 mAb (A25196,5 μ l/Test) and APC Rabbit IgG isotype control (A24173,5 μ l/Test, left) or APC Rabbit anti-Human/Monkey CD11b mAb (A28770,5 μ l/Test, right). Cells in the monocyte gate were used for analysis.

Flow cytometry: 1×10^6 Cynomolgus PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD14 mAb (A25196,5 μ l/Test) and APC Rabbit IgG isotype control (A24173,5 μ l/Test, left) or APC Rabbit anti-Human/Monkey CD11b mAb (A28770,5 μ l/Test, right). Cells in the monocyte gate were used for analysis.