

PerCP/Cyanine5.5 Rabbit anti-Human/Monkey CD86 mAb

Catalog No.: A28689

Basic Information

Observed MW

Calculated MW

38kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Human, Cynomolgus

CloneNo number

ARC54012

Conjugate

PerCP-Cy5.5. Ex:482nm. Em:695nm.

Background

CD86 is an 80 kDa member of the immunoglobulin superfamily, also known as B7-2, B70, and Ly-58. It is expressed on activated B cells and T cells, monocytes/macrophages, dendritic cells, and astrocytes. Together with CD80, CD86 serves as a ligand for both CD28 and CD152 (CTLA-4). During immune responses, CD86 is generally expressed earlier than CD80. CD86 has also been shown to participate in immunoglobulin class switching and to trigger NK cell-mediated cytotoxicity. Upon binding to CD28, CD86 transduces co-stimulatory signals that promote T cell activation, proliferation, and cytokine production. Conversely, engagement of CD86 with CD152 (CTLA-4) delivers inhibitory signals to T cells.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

Immunogen Information

Gene ID

942

Swiss Prot

P42081

Immunogen

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

Synonyms

B70; B7-2; B7.2; BU63; FUN-1; LAB72; CD28LG2; CD86 v6

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

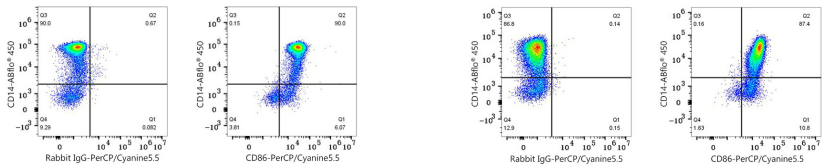
Affinity purification

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 Human PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD14 mAb (A25196,5 μl/Test) and PerCP/Cyanine5.5 Rabbit IgG isotype control (A25620,5 μl/Test,left) or PerCP/Cyanine5.5 Rabbit anti-Human/Monkey CD86 mAb (A28689,5 μl/Test,right). Cells in the lymphocyte and monocyte gates were used for analysis.

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