

# 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.

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## 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.

## 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

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

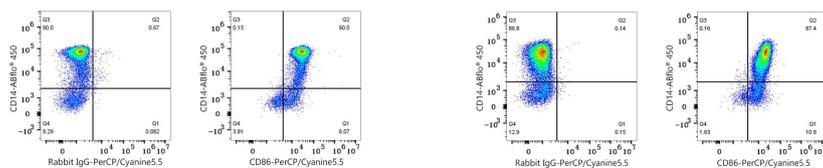
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  Human PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD14 mAb (A25196,5  $\mu\text{l}/\text{Test}$ ) and PerCP/Cyanine5.5 Rabbit IgG isotype control (A25620,5  $\mu\text{l}/\text{Test}$ ,left) or PerCP/Cyanine5.5 Rabbit anti-Human/Monkey CD86 mAb (A28689,5  $\mu\text{l}/\text{Test}$ ,right). Cells in the lymphocyte and monocyte gates were used for analysis.

Flow cytometry:  $1 \times 10^6$  Cynomolgus PBMC were surface-stained with ABflo® 450 Rabbit anti-Human/Monkey CD14 mAb (A25196,5  $\mu\text{l}/\text{Test}$ ) and PerCP/Cyanine5.5 Rabbit IgG isotype control (A25620,5  $\mu\text{l}/\text{Test}$ ,left) or PerCP/Cyanine5.5 Rabbit anti-Human/Monkey CD86 mAb (A28689,5  $\mu\text{l}/\text{Test}$ ,right). Cells in the lymphocyte and monocyte gates were used for analysis.