

# CD86 Rabbit mAb

Catalog No.: A21198 **Recombinant**

## Basic Information

### Observed MW

60-85kDa

### Calculated MW

38kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC,FC

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC54011

## Background

This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.

## Recommended Dilutions

<b>WB</b>	1:10000 - 1:90000
<b>IF/ICC</b>	1:50 - 1:200
<b>FC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

942

### Swiss Prot

P42081

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-241 of human CD86 (NP\_787058.5).

### Synonyms

B70; B7-2; B7.2; LAB72; CD28LG2; CD86

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

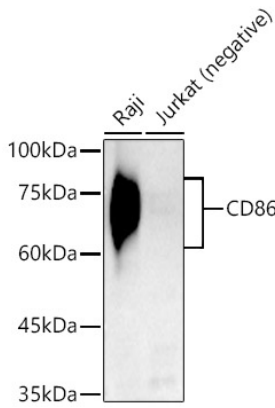
Affinity purification

### Storage

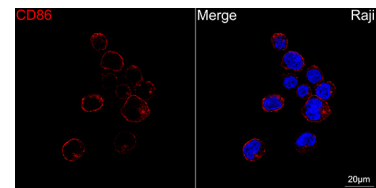
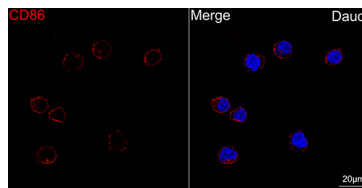
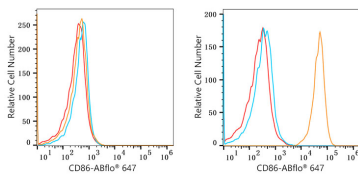
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



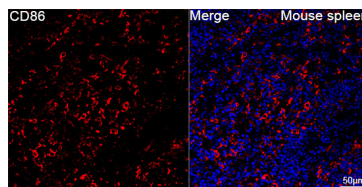
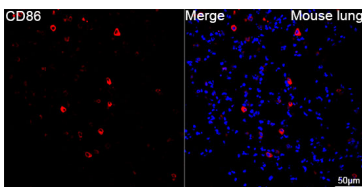
Western blot analysis of various lysates, using CD86 Rabbit mAb (A21198) at 1:80000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Flow cytometry:  $1 \times 10^6$  K-562 cells (negative control, left) and Raji cells (right) were surface-stained with CD86 Rabbit mAb (A21198, 2.5 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 10 µg/mL, blue line), followed by Alexa Fluor 647 conjugated goat anti-rabbit pAb (1:600 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).

Confocal imaging of Daudi cells using CD86 Rabbit mAb (A21198, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of Raji cells using CD86 Rabbit mAb (A21198, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Mouse lung tissue using CD86 Rabbit mAb (A21198, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.

Confocal imaging of paraffin-embedded Mouse spleen tissue using CD86 Rabbit mAb (A21198, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.