

# CD86

## Polyclonal ANTIBODY

Catalog Number: 13395-1-AP

6 Publications

### Basic Information

Catalog Number:  
13395-1-AP

Size:  
51 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AG4063

GenBank Accession Number:  
BC040261

GeneID (NCBI):  
942

Full Name:  
CD86 molecule

Calculated MW:  
329aa, 38 kDa

Observed MW:  
65-70 kDa

Recommended Dilutions:  
WB 1:500-1:1000

### Applications

Tested Applications:  
FC, WB, ELISA

Cited Applications:  
IF, WB

Species Specificity:  
human

Cited Species:  
human, rat

Positive Controls:

WB : Daudi cells; Raji cells

### Background Information

CD86 (also known as B7.2) is a costimulatory molecule belonging to the immunoglobulin superfamily. Primarily expressed on antigen-presenting cells (APCs), including B cells, dendritic cells, and macrophages, CD86 is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. This antibody detects a band of approximately 65-70 kDa, consistent with glycosylated form of CD86 (PMID: 8592066, 21849678).

### Notable Publications

Author	Pubmed ID	Journal	Application
Luodan Yang	29056360	Exp Neurol	WB
Shan Chen	29101873	Int Immunopharmacol	IF
Shilun Yang	31228802	Biomed Pharmacother	IF

### Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

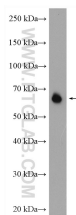
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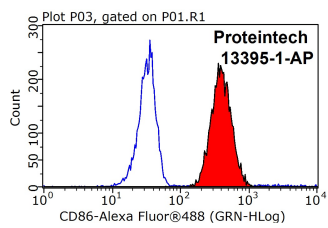
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## Selected Validation Data



Daudi cells were subjected to SDS PAGE followed by western blot with 13395-1-AP (CD86 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours



$1 \times 10^6$  Raji cells were stained with 0.2ug CD86 antibody (13395-1-AP red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.