

For Research Use Only

# CD86 (C-terminal) Polyclonal antibody

Catalog Number: 26903-1-AP

29 Publications



## Basic Information

### Catalog Number:

26903-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG25432

### GenBank Accession Number:

BC040261

### GeneID (NCBI):

942

### ENSEMBL Gene ID:

ENSG00000114013

### UNIPROT ID:

P42081

### Full Name:

CD86 molecule

### Calculated MW:

329 aa, 38 kDa

### Observed MW:

65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:200-1:800

IF-Fro 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-Fro, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : Daudi cells, Raji cell, Ramos cells

IHC : human tonsillitis tissue,

IF-Fro : mouse brain tissue,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pei Yang	33576871	Cancer Immunol Immunother	WB
Guoxiang Zhou	36030656	Biochem Biophys Res Commun	WB
Yaping Shan	35992343	Front Bioeng Biotechnol	IF

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

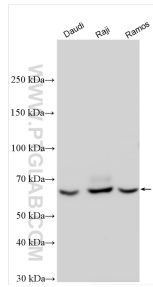
For technical support and original validation data for this product please contact:

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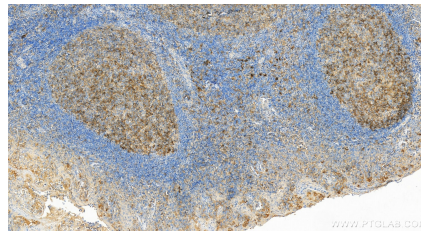
E: proteintech@ptglab.com  
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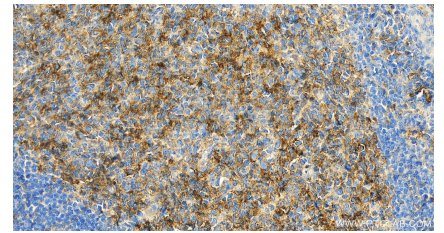
## Selected Validation Data



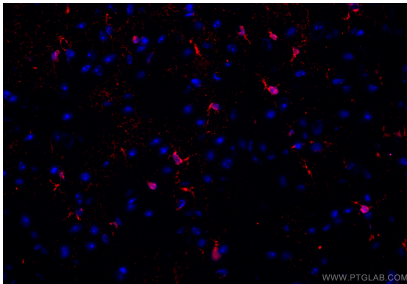
Various lysates were subjected to SDS PAGE followed by western blot with 26903-1-AP (CD86 (C-terminal) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26903-1-AP (CD86 (C-terminal) antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26903-1-AP (CD86 (C-terminal) antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using CD86 (C-terminal) antibody (26903-1-AP) at dilution of 1:200 and Coralite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).