

For Research Use Only

# CD86 Polyclonal antibody

Catalog Number: 30691-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 30691-1-AP	<b>GenBank Accession Number:</b> NM_019388	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12524	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>Full Name:</b> CD86 antigen	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 35 kDa	
<b>Immunogen Catalog Number:</b> AG33514	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : DC2.4 cells, J774A.1 cells, RAW 264.7 cells, mouse spleen tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Mouse	
<b>Cited Species:</b> mouse	

## 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 CTLA-4. Binding of CD86 with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of CD86 with CTLA-4 negatively regulates T-cell activation and diminishes the immune response. (PMID: 7513726; 1847722; 11029388; 27591335)

## Notable Publications

Author	Pubmed ID	Journal	Application
Ying Chen	38184235	J Control Release	WB

## Storage

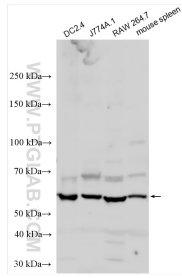
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



DC2.4 cells were subjected to SDS PAGE followed by western blot with 30691-1-AP (CD86 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.