

For Research Use Only

CD86 Polyclonal antibody

Catalog Number: 30691-1-AP

7 Publications



Basic Information

Catalog Number:

30691-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33514

GenBank Accession Number:

NM_019388

GeneID (NCBI):

12524

UNIPROT ID:

P42082-1

Full Name:

CD86 antigen

Calculated MW:

35 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : DC2.4 cells, NR8383 cells, J774A.1 cells, RAW 264.7 cells, mouse spleen tissue, rat spleen 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 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 |
|----------------|-----------|---------------------------|-------------|
| Chenguang Wang | 39450775 | ACS Appl Mater Interfaces | IF |
| Hamza Hanieh | 39400777 | Inflammation | WB |
| Hidayat Ullah | 39723032 | Food Sci Nutr | WB,IHC,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

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

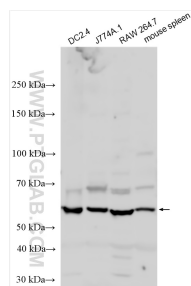
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.