

For Research Use Only

CD86 Recombinant antibody

Catalog Number:83213-5-RR



Basic Information

Catalog Number:

83213-5-RR

Size:

100ul , Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_019388

GeneID (NCBI):

12524

UNIPROT ID:

P42082-1

Full Name:

CD86 antigen

Calculated MW:

35 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

CloneNo.:

230476A1

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : DC2.4 cells, J774A.1 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 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)

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

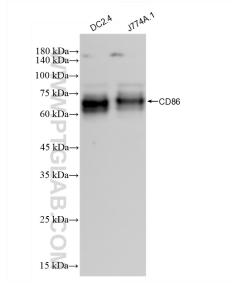
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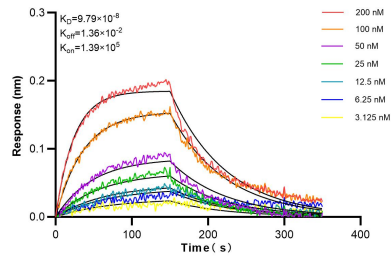
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W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83213-5-RR (CD86 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Bi-layer interferometry (BLI) kinetic assays of 83213-5-RR against Mouse CD86 were performed. The affinity constant is 97.9 nM.