

# CD86 Recombinant antibody

Catalog Number: 82882-1-RR

## Basic Information

## Catalog Number:

82882-1-RR

## Size:

1000 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4063

## 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:

75 kDa

## Purification Method:

Protein A purification

## CloneNo.:

4M12

## Recommended Dilutions:

WB 1:1000-1:8000

## Applications

## Tested Applications:

WB, ELISA

## Species Specificity:

Human, Rat

## Positive Controls:

WB: Raji cells, rat thymus tissue, Daudi cells, Ramos 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.

## Storage

## Storage:

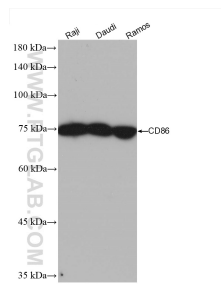
Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82882-1-RR (CD86 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.