

For Research Use Only

# Anti-Human CD86 (BU63)

Catalog Number: 65165-1-Ig **2 Publications**



## Basic Information

Catalog Number:

65165-1-Ig

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC040261

GeneID (NCBI):

942

ENSEMBL Gene ID:

ENSG00000114013

UNIPROT ID:

P42081

Full Name:

CD86 molecule

Calculated MW:

329 aa, 38 kDa

Purification Method:

Protein A purification

CloneNo.:

BU63

Recommended Dilutions:

IF/ICC 1:500-1:2000

## Applications

Tested Applications:

IF/ICC, FC

Cited Applications:

IF, FC

Species Specificity:

Human

Cited Species:

human

Positive Controls:

IF/ICC : Raji 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.

## Notable Publications

| Author       | Pubmed ID | Journal             | Application |
|--------------|-----------|---------------------|-------------|
| Chen-Chen Wu | 39405940  | Int Immunopharmacol | FC          |
| Zilong Zhao  | 39318025  | J Agric Food Chem   | IF          |

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide.

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

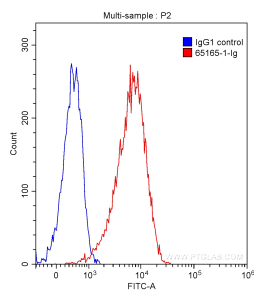
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

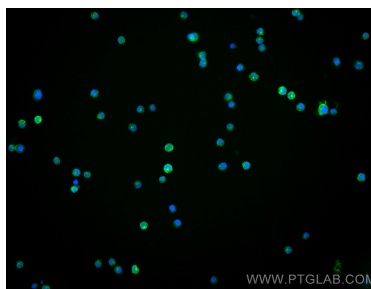
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> Daudi cells were surface stained with 0.20 ug Anti-Human CD86 (65165-1-Ig, Clone: BU63) (red) or 0.20 ug isotype control antibody (blue) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) with dilution of 1:1000. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD86 antibody (65165-1-Ig, Clone: BU63) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).