

For Research Use Only

Anti-Human CD86 (IT2.2)

Catalog Number: 65118-1-Ig



Basic Information

Catalog Number:

65118-1-Ig

Concentration:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2b, 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.:

IT2.2

Applications

Tested Applications:

FC

Species Specificity:

Human

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

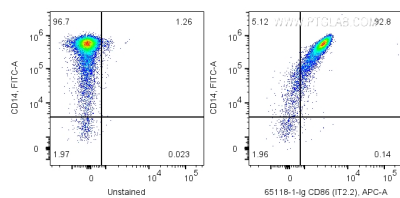
T: 4006900926

E: Proteintech-CN@ptglab.com

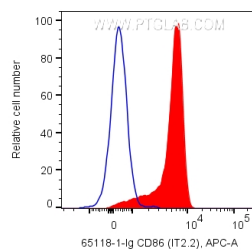
W: ptgcn.com

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Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with FITC Anti-human CD14 and 0.2 ug Anti-Human CD86 (65118-1-Ig, Clone:IT2.2) and APC-Goat anti-Mouse IgG at dilution 1:1000 or unstained. Cells were not fixed. Monocytes were gated.



1X10⁶ human PBMCs were surface stained with 0.2 ug Anti-Human CD86 (65118-1-Ig, Clone:IT2.2) and APC-Goat anti-Mouse IgG at dilution 1:1000 (red) or unstained. Cells were not fixed. Monocytes were gated.