

For Research Use Only

# Anti-Human CD86 (IT2.2)

Catalog Number: 65118-1-Ig



## Basic Information

<b>Catalog Number:</b> 65118-1-Ig	<b>GenBank Accession Number:</b> BC040261	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 942	<b>CloneNo.:</b> IT2.2
<b>Source:</b> Mouse	<b>Full Name:</b> CD86 molecule	
<b>Isotype:</b> IgG2b, kappa	<b>Calculated MW:</b> 329 aa, 38 kDa	

## 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

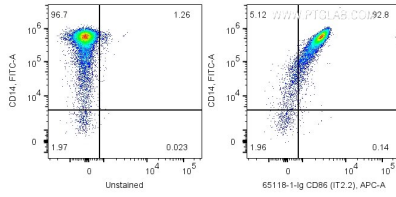
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

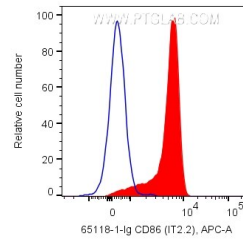
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1X10<sup>6</sup> 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.



1X10<sup>6</sup> 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.