

For Research Use Only

Anti-Human CD86 (IT2.2)

Catalog Number: 65118-1-Ig



Basic Information

Catalog Number: 65118-1-Ig	GenBank Accession Number: BC040261	Purification Method: Protein A purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 942	CloneNo.: IT2.2
Source: Mouse	ENSEMBL Gene ID: ENSG00000114013	
Isotype: IgG2b, kappa	UNIPROT ID: P42081	
	Full Name: CD86 molecule	
	Calculated MW: 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:

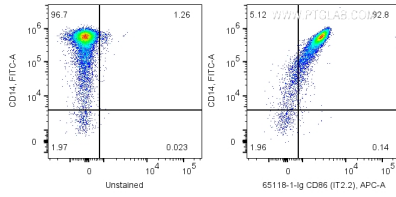
T: 4006900926

E: Proteintech-CN@ptglab.com

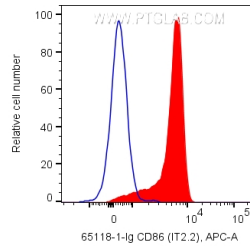
W: ptgcn.com

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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.