

For Research Use Only

CoraLite® Plus 647 Anti-Human CD86 (IT2.2)



Catalog Number: CL647-65118

Basic Information

Catalog Number: CL647-65118	GenBank Accession Number: BC040261	Purification Method: Protein A purification
Size: 100tests, 5 µl/test	GeneID (NCBI): 942	CloneNo.: IT2.2
Source: Mouse	ENSEMBL Gene ID: ENSG00000114013	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

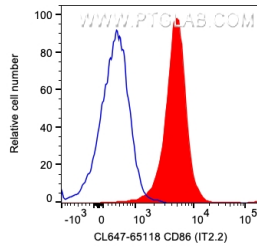
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD86 (CL647-65118, Clone: IT2.2) or unstained. Cells were not fixed. Monocytes were gated.