

For Research Use Only

# CoraLite® Plus 555 Anti-Human CD86 (IT2.2)



Catalog Number: CL555-65118

## Basic Information

<b>Catalog Number:</b> CL555-65118	<b>GenBank Accession Number:</b> BC040261	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100tests, 5 µl/test	<b>GeneID (NCBI):</b> 942	<b>CloneNo.:</b> IT2.2
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000114013	<b>Excitation/Emission maxima wavelengths:</b> 554 nm / 570 nm
<b>Isotype:</b> IgG2b, kappa	<b>UNIPROT ID:</b> P42081	
	<b>Full Name:</b> CD86 molecule	
	<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. 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:

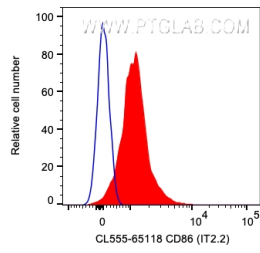
T: 4006900926

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

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

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

## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul CoraLite® Plus 555 Anti-Human CD86 (CL555-65118, Clone:IT2.2) (red) or unstained. Cells were not fixed. Monocytes were gated.