

For Research Use Only

# CoraLite® Plus 555 Anti-Mouse CD86 (GL1)



Catalog Number: **CL555-65068**

## Basic Information

<b>Catalog Number:</b> CL555-65068	<b>GenBank Accession Number:</b> BC013807	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12524	<b>CloneNo.:</b> GL1
<b>Source:</b> Rat	<b>UNIPROT ID:</b> P42082	<b>Excitation/Emission maxima wavelengths:</b> 554 nm / 570 nm
<b>Isotype:</b> IgG2a, kappa	<b>Full Name:</b> CD86 antigen	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Mouse

## 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

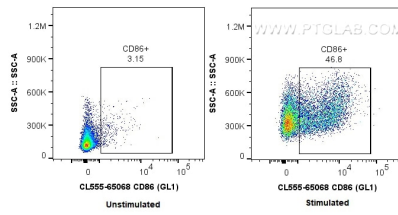
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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

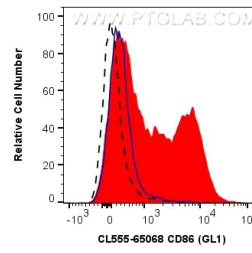
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



1X10<sup>6</sup> untreated or LPS-treated mouse splenocytes were surface stained with 0.2 ug CoraLite® Plus 555 Anti-Mouse CD86 (CL555-65068, Clone: GL1). Cells were not fixed.



1X10<sup>6</sup> untreated (dashed line) or LPS-treated mouse splenocytes were surface stained with 0.2 ug CoraLite® Plus 555 Anti-Mouse CD86 (CL555-65068, Clone: GL1) (red), or 0.2 ug Isotype Control (blue). Cells were not fixed.