

For Research Use Only

CoraLite® Plus 647 Anti-Mouse CD86 (GL1)



Catalog Number: CL647-65068

Basic Information

Catalog Number:

CL647-65068

Size:

100ug, 500 µg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC013807

GeneID (NCBI):

12524

UNIPROT ID:

P42082

Full Name:

CD86 antigen

Purification Method:

Affinity purification

CloneNo.:

GL1

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

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 and 0.5% BSA.

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

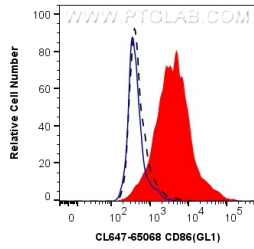
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ untreated (dashed line) or LPS treated mouse splenocytes were surface stained with 1 ug CoraLite® Plus 647 Anti-Mouse CD86 (CL647-65068, Clone: GL1) (red), or 1 ug isotype control antibody (blue). Cells were not fixed.