

For Research Use Only

FcZero-rAb™ CoraLite® Plus 647 Anti-Mouse CD86 (GL1) Rabbit IgG Recombinant Antibody

Catalog Number: CL647-FcA65673



Basic Information

Catalog Number:

CL647-FcA65673

Concentration:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC013807

GeneID (NCBI):

12524

UNIPROT ID:

P42082

Full Name:

CD86 antigen

Purification Method:

Protein A purification

CloneNo.:

GL1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : LPS treated mouse splenocytes,

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, pH7.3

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

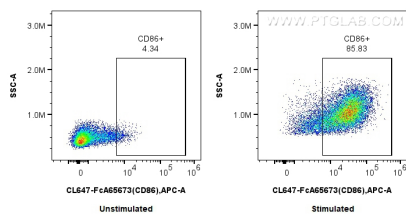
T: 4006900926

E: Proteintech-CN@ptglab.com

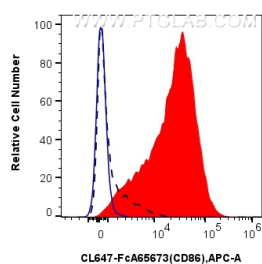
W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated (left) or LPS-treated (right) mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD86 (GL1) Rabbit IgG RecAb (CL647-FcA65673, Clone: GL1). Cells were not fixed.



1x10⁶ LPS treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD86 (GL1) Rabbit IgG RecAb (CL647-FcA65673, Clone: GL1) (red) or FcZero-rAb™ CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD86 (GL1) Rabbit IgG RecAb (CL647-FcA65673, Clone: GL1)(black, dashed). Cells