

For Research Use Only

# FcZero-rAb® APC-Cyanine7 Anti-Mouse CD86 (GL1) Rabbit Recombinant Antibody

Catalog Number: AY7-FcA65673



## Basic Information

Catalog Number:  
AY7-FcA65673

Concentration:  
100ug, 200 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 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:  
650 nm / 778 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 and 0.5% BSA, pH7.3

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

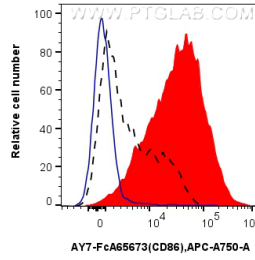
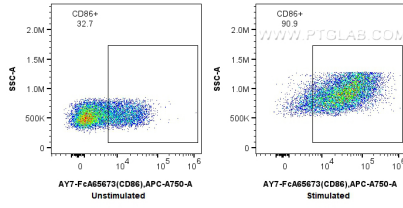
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> untreated (left) or LPS-treated (right) mouse splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD86 (GL1) Rabbit RecAb (AY7-FcA65673, Clone: GL1). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

1x10<sup>6</sup> LPS-treated mouse splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD86 (GL1) Rabbit RecAb (AY7-FcA65673, Clone: GL1) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (AY7-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug APC-Cyanine7 Anti-Mouse CD86 (GL1) Rabbit RecAb (AY7-FcA65673, Clone: GL1) (black, dashed). Cells were incubated with MonoZero™ Monocytes

