

For Research Use Only

# FcZero-rAb® PE-Cyanine5.5 Anti-Mouse CD86 (GL1) Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA65673



## Basic Information

Catalog Number:

PY5P5-FcA65673

Size:

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 maximum wavelengths:

496 nm, 565 nm / 692 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

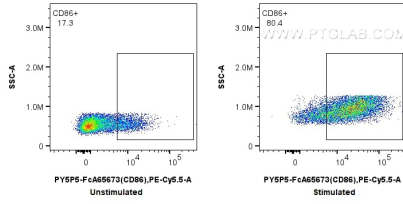
For technical support and original validation data for this product please contact:

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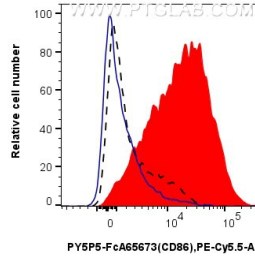
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



$1 \times 10^6$  untreated (left) or LPS-treated (right) mouse splenocytes were surface stained with 0.25  $\mu$ g PE-Cyanine5.5 Anti-Mouse CD86 (GL1) Rabbit RecAb (PY5P5-FcA65673, Clone: GL1). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



$1 \times 10^6$  LPS-treated mouse splenocytes were surface stained with 0.25  $\mu$ g PE-Cyanine5.5 Anti-Mouse CD86 (GL1) Rabbit RecAb (PY5P5-FcA65673, Clone: GL1) (red) or 0.25  $\mu$ g Rabbit IgG Isotype Control RecAb (PY5P5-FcA98136, Clone: 240953C9) (blue).  $1 \times 10^6$  untreated mouse splenocytes were surface stained with 0.25  $\mu$ g PE-Cyanine5.5 Anti-Mouse CD86 (GL1) Rabbit RecAb (PY5P5-FcA65673, Clone: GL1) (black, dashed). Cells were incubated with MonoZero™ Monocytes

