

For Research Use Only

FcZero-rAb™ PE-Cyanine7 Anti-Mouse CD86 Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98025



Basic Information

Catalog Number:

PY7-FcA98025

Concentration:

100ug, 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0802

GenBank Accession Number:

NM_019388

GeneID (NCBI):

12524

UNIPROT ID:

P42082-1

Full Name:

CD86 antigen

Calculated MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

230476B8

Recommended Dilutions:

FC: 0.1 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 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:

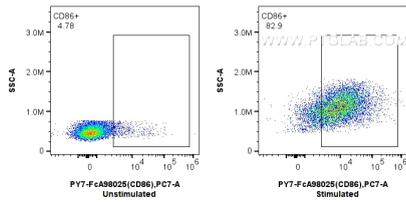
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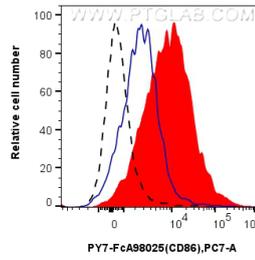
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Selected Validation Data



1x10⁶ unstimulated (left) or LPS-stimulated (right) mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD86 Rabbit RecAb (PY7-FcA98025, Clone: 230476B8). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.



1x10⁶ LPS-treated mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD86 Rabbit RecAb (PY7-FcA98025, Clone: 230476B8) (red) or 0.1 ug Rabbit IgG Isotype Control RecAb (PY7-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD86 Rabbit RecAb (PY7-FcA98025, Clone: 230476B8) (black, dashed). Cells were incubated with MonoZero™ Monocytes blocking Reagent