

For Research Use Only

FcZero-rAb® PE-Cyanine5.5 Anti-Mouse CD86 Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98025



Basic Information

Catalog Number: PY5P5-FcA98025	GenBank Accession Number: NM_019388	Purification Method: Protein A purification
Size: 100ug , 200 ug/ml	GeneID (NCBI): 12524	CloneNo.: 230476B8
Source: Rabbit	UNIPROT ID: P42082-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD86 antigen	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 692 nm
Immunogen Catalog Number: EG0802	Calculated MW: 35 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : LPS treated mouse splenocytes,
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)

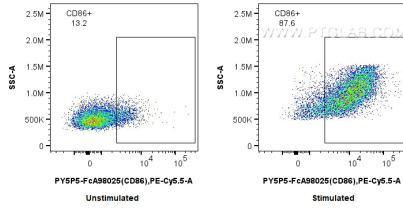
Storage

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, pH7.3

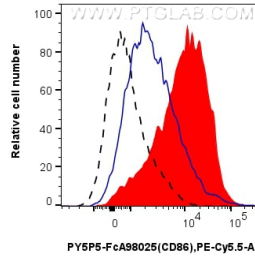
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated (left) or LPS-treated (right) mouse splenocytes were surface stained with 0.25 ug PE-Cyanine5.5 Anti-Mouse CD86 Rabbit RecAb (PY5P5-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 0.25 ug PE-Cyanine5.5 Anti-Mouse CD86 Rabbit RecAb (PY5P5-FcA98025, Clone: 230476B8) (red) or 0.25 ug FcZero-rAb® PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9)(blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug PE-Cyanine5.5 Anti-Mouse CD86 Rabbit RecAb (PY5P5-FcA98025, Clone: 230476B8) (black,

