

For Research Use Only

Anti-Human LY86 Rabbit Recombinant Antibody

Catalog Number: 98678-1-RR



Basic Information

Catalog Number: 98678-1-RR	GenBank Accession Number: NM_004271.4	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 9450	CloneNo.: 252168G12
Source: Rabbit	UNIPROT ID: O95711	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: lymphocyte antigen 86	
Immunogen Catalog Number: EG3108	Calculated MW: 18 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : human PBMCs,
Species Specificity: human	

Background Information

LY86, also known as protein MD-1, is a secreted glycoprotein that is associated with RP105 (TLR family proteins) and plays a significant role in the B cell surface expression of RP105. The RP105/MD-1 complex is expressed on immune cells, including B cells, macrophages, and dendritic cells (PMID: 37861500). By forming the RP105-MD-1 complex, LY86 fine-tunes recognition of bacterial lipopolysaccharide (LPS) and subsequent cytokine production, acting as both a facilitator and a brake on innate immune responses. LY86 influences sterile inflammatory conditions such as atherosclerosis, obesity, insulin resistance and cardiac remodeling, and is being explored as a biomarker for unstable carotid plaques and other immune-mediated diseases (PMID: 39085350).

Storage

Storage:
Store at 2 - 8°C. 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:

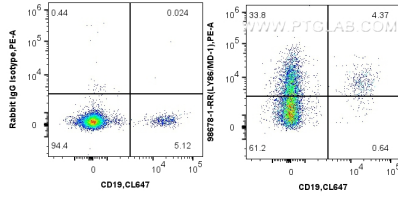
T: 4006900926

E: Proteintech-CN@ptglab.com

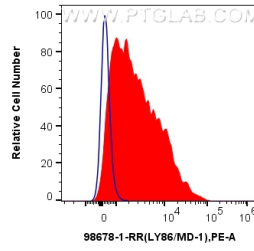
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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Anti-Human LY86 Rabbit RecAb (98678-1-RR, Clone:252168G12), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD19. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). Lymphocytes were gated.



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Anti-Human LY86 Rabbit RecAb (98678-1-RR, Clone:252168G12)(red) and PE-Conjugated Goat Anti-Rabbit IgG(H+L), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). Lymphocytes were gated.