

For Research Use Only

FcZero-rAb® PE-Cyanine5.5 Anti-Human CD8a Rabbit Recombinant Antibody

Catalog Number: PY5P5-FcA98470



Basic Information

Catalog Number: PY5P5-FcA98470	GenBank Accession Number: NM_001145873.1	Purification Method: Protein A purification
Size: 100tests , 5 ul/test	GeneID (NCBI): 925	CloneNo.: 243018G2
Source: Rabbit	ENSEMBL Gene ID: ENSG00000153563	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD8a molecule	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 692 nm
Immunogen Catalog Number: EG0819	Calculated MW: 26 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs, Cynomolgus PBMCs
Species Specificity: human	

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8aβ heterodimer while CD8aα homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ T cells and on NK cells (PMID: 2111591; 1831127; 8420975). CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T-cell activation (PMID: 8499079). During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells (PMID: 1968084).

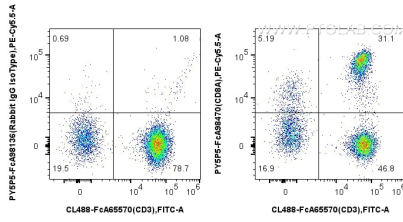
Storage

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

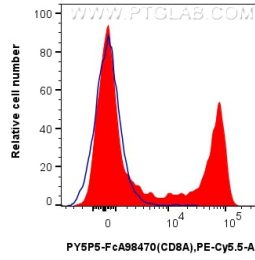
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD3 (UCHT1), and 5 ul PE-Cyanine5.5 Anti-Human CD8A Rabbit RecAb (PY5P5-FcA98470, Clone: 243018G2) or Rabbit IgG Isotype Control RecAb (PY5P5-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul PE-Cyanine5.5 Anti-Human CD8A Rabbit RecAb (PY5P5-FcA98470, Clone: 243018G2) (red) or Rabbit IgG Isotype Control RecAb (PY5P5-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.