

For Research Use Only

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

Catalog Number: PY5P5-FcA98470



Basic Information

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| Catalog Number: PY5P5-FcA98470 | GenBank Accession Number: NM_001145873.1 | Purification Method: Protein A purification |
| Concentration: 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

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|--------------------------------------|---|
| 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 CD8 α or as a heterodimer of CD8 α and CD8 β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 α β heterodimer while CD8 α α homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γ δ 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:

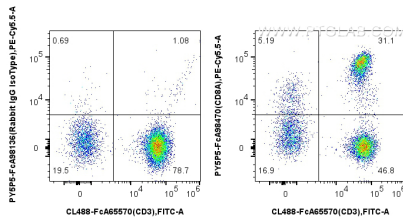
T: 4006900926

E: Proteintech-CN@ptglab.com

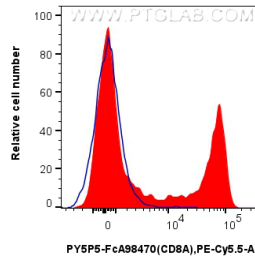
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Selected Validation Data



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.