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PE Anti-Human CD8a (RPA-T8)

Product Number: ATB0036

Shipping and 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.

Component

Component	ATB0036-25T	ATB0036-100T
PE Anti-Human CD8a (RPA-T8)	25T	100T

Description

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 CD8β. 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. CD8 acts as a co-receptor that binds to MHC class-I and participates in cytotoxic T cell activation. During T cell development, CD8 is required for positive selection of CD4-/CD8+ T cells.

Basic Information

1. Concentration: 100tests, 5μL/test
2. Source: Mouse
3. Isotype: IgG1, kappa
4. GenBank Accession Number: BC025715
5. GeneID (NCBI): 925
6. ENSEMBL Gene ID: ENSG00000153563
7. UNIPROT ID: P01732
8. Full Name: CD8a molecule
9. Calculated MW: 235 aa, 26 kDa
10. Purification Method: Affinity purification
11. CloneNo.: RPA-T8
12. Recommended Dilutions:FC: 5μL per 10^6 cells in 100μL suspension
13. Excitation/Emission maxima wavelengths: 496nm, 565nm / 578nm.

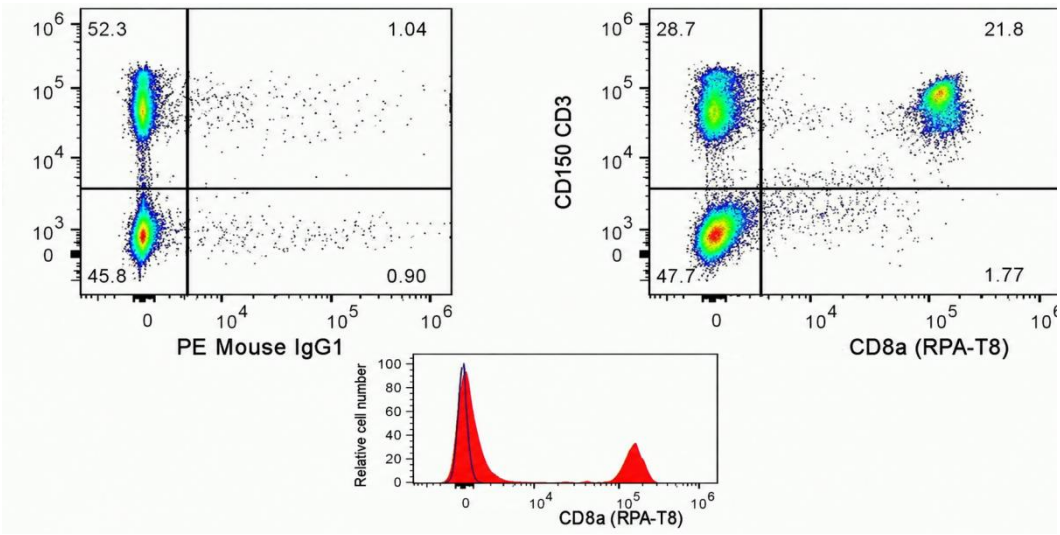
Application

1. Tested Applications: FC
2. Cited Applications: FC
3. Species Specificity: human
4. Cited Species: human
5. Positive Controls: FC : human PBMCs

Selected Validation Data

1x10^6 human PBMCs were surface stained with CL750 Anti-Human CD3 and 5μL PE Anti-Human CD8a or PE Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.

1x10^6 human PBMCs were surface stained with 5 ul PE Anti-Human CD8a (red) or PE Mouse IgG1 Isotype Control (blue). Cells were not fixed. Lymphocytes were gated.


52.3
1.04
45.8
0.90
PE Mouse IgG1
28.7
21.8
47.7
1.77
CD150 CD3
CD8a (RPA-T8)
Relative cell number
CD8a (RPA-T8)