

For Research Use Only

PE Anti-Human CD8a (RPA-T8)

Catalog Number: **PE-65144** 1 Publications



Basic Information

Catalog Number: PE-65144	GenBank Accession Number: BC025715	Purification Method: Affinity purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 925	CloneNo.: RPA-T8
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	Recommended Dilutions: FC: 5 ul per 10 ⁶ cells in 100 µl suspension
Isotype: IgG1, kappa	UNIPROT ID: P01732	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
	Full Name: CD8a molecule	
	Calculated MW: 235 aa, 26 kDa	

Applications

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

Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Lin Yang	37106265	Clin Exp Med	FC

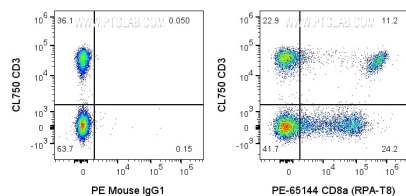
Storage

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

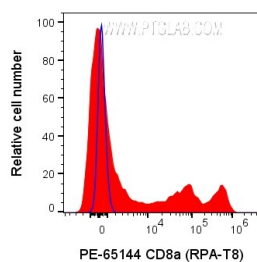
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul PE Anti-Human CD8a (PE-65144, Clone: RPA-T8) or PE Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD8a (PE-65144, Clone: PA-T8) (red) or PE Mouse IgG1 Isotype Control (blue). Cells were not fixed. Lymphocytes were gated.