

For Research Use Only

APC Anti-Human CD8a (RPA-T8)

Catalog Number: APC-65144 **2 Publications**



Basic Information

Catalog Number: APC-65144	GenBank Accession Number: BC025715	Purification Method: Affinity purification
Size: 100tests, 5 μ l/test	GeneID (NCBI): 925	CloneNo.: RPA-T8
Source: Mouse	ENSEMBL Gene ID: ENSG00000153563	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG1, kappa	UNIPROT ID: P01732	
	Full Name: CD8a molecule	
	Calculated MW: 235 aa, 26 kDa	

Applications

Tested Applications:
FC

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 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 $\alpha\beta$ heterodimer while CD8 $\alpha\alpha$ homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) $\gamma\delta$ 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
Guopin Pan	35131482	Pharmacol Res	FC
Qian Gou	37870169	Adv Sci (Weinh)	FC

Storage

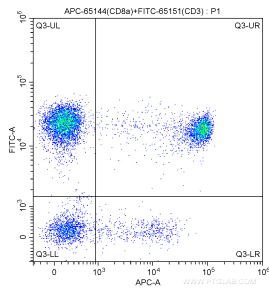
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

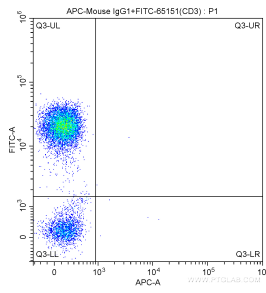
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Selected Validation Data



100 ul human peripheral blood were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and 5.00 ul APC Anti-Human CD8a (APC-65144, Clone: RPA-T8). Lymphocytes were gated for analysis. Cells were not fixed.



100 ul human peripheral blood were surface stained with FITC Anti-Human CD3 (FITC-65151, Clone: UCHT1) and APC Mouse IgG1 isotype control antibody. Lymphocytes were gated for analysis. Cells were not fixed.