

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: 100 tests, 5 ul/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  $\alpha$  or as a heterodimer of CD8  $\alpha$  and CD8  $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-5-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

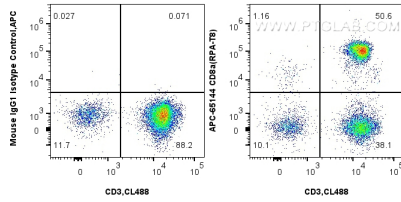
Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:  
PBS with 0.09% sodium azide and 0.5% BSA.

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



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul APC Anti-Human CD8a (RPA-T8) (APC-65144, Clone:RPA-T8), and 5 ul APC Mouse IgG1 Isotype Control (MOPC-21) (APC-65124, Clone: MOPC-21), and 5 ul CoraLite® Plus 488 Anti-Human CD3 (UCHT1) (CL488-65151, Clone: UCHT1). Cells were not fixed.