

For Research Use Only

# APC Anti-Human CD8a (RPA-T8)

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



## Basic Information

Catalog Number:

APC-65144

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC025715

GeneID (NCBI):

925

ENSEMBL Gene ID:

ENSG00000153563

UNIPROT ID:

P01732

Full Name:

CD8a molecule

Calculated MW:

235 aa, 26 kDa

Purification Method:

Affinity purification

CloneNo.:

RPA-T8

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## 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 CD8a or as a heterodimer of CD8a and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-5-restricted T cells express mostly the CD8aβ heterodimer while CD8aα 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
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.

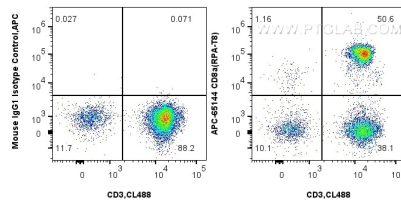
For technical support and original validation data for this product please contact:

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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.