

# APC Anti-Mouse CD8a (5H10-1)

Catalog Number: **APC-65205**

## Basic Information

**Catalog Number:**

APC-65205

**Size:**

100ug , 200 µg/ml

**Source:**

Rat

**Isotype:**

IgG2b, lambda

**GenBank Accession Number:**

BC030679

**GeneID (NCBI):**

12525

**UNIPROT ID:**

P01731

**Full Name:**

CD8 antigen, alpha chain

**Purification Method:**

Affinity purification

**CloneNo.:**

5H10-1

**Excitation/Emission maxima wavelengths:**

650 nm / 660 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

mouse

## 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-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 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).

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.1% sodium azide and 0.5% BSA.

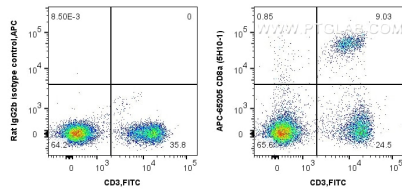
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface co-stained with FITC Plus Anti-Mouse CD3 (17A2) and 0.1 ug APC Anti-Mouse CD8a (APC-65205, Clone: 5H10-1) or 0.1 ug APC Rat IgG2b Isotype Control (LTF-2). Cells were not fixed.