

For Research Use Only

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

Catalog Number: APC-65205



## Basic Information

Catalog Number:

APC-65205

Concentration:

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

Recommended Dilutions:

FC: 0.1 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

## 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-restricted T cells express mostly the CD8 $\alpha$  $\beta$  heterodimer while CD8 $\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma$   $\delta$  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 0.09% sodium azide and 0.5% BSA, pH7.3

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

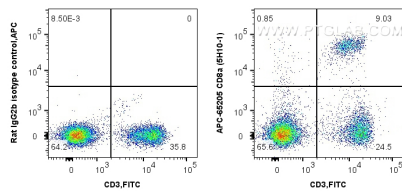
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## Selected Validation Data



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.