

For Research Use Only

# Anti-Mouse CD8a (5H10-1)

Catalog Number: 65205-1-Ig



## Basic Information

Catalog Number:

65205-1-Ig

Concentration:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, lambda

GenBank Accession Number:

BC030679

GeneID (NCBI):

12525

UNIPROT ID:

P01731

Full Name:

CD8 antigen, alpha chain

Purification Method:

Protein G purification

CloneNo.:

5H10-1

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in 100  $\mu$ l suspension

## 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  $\alpha$   $\alpha$  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).

## Storage

Storage:

Store at 2-8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

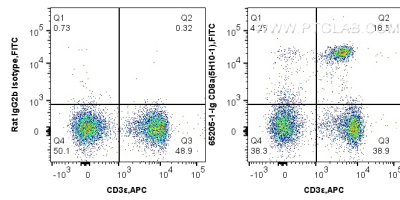
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> C57BL/c mouse splenocytes were surface co-stained with APC Anti-Mouse CD3  $\epsilon$  and 0.25  $\mu$ g Anti-Mouse CD8a (65205-1-Ig, Clone:5H10-1) and FITC anti-rat IgG2b Antibody at dilution 1:100, or rat IgG2b Isotype Control and FITC anti-rat IgG2b Antibody at dilution 1:100. Cells were not fixed.