

For Research Use Only

APC Anti-Mouse CD8a (5H10-1)

Catalog Number: APC-65205



Basic Information

Catalog Number: APC-65205	GenBank Accession Number: BC030679	Purification Method: Affinity purification
Size: 100ug, 200 µg/ml	GeneID (NCBI): 12525	CloneNo.: 5H10-1
Source: Rat	UNIPROT ID: P01731	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2b, lambda	Full Name: CD8 antigen, alpha chain	

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 CD8 α or as a heterodimer of CD8 α and CD8 β (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 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:

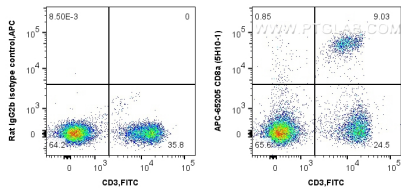
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ 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.