

For Research Use Only

PerCP-Cyanine5.5 Anti-Mouse CD8a (53-6.7)

Catalog Number:CPY5-65069



Basic Information

Catalog Number: CPY5-65069	GenBank Accession Number: BC030679	Purification Method: Affinity purification
Size: 100ug, 100 µg/ml	GeneID (NCBI): 12525	CloneNo.: 53-6.7
Source: Rat	UNIPROT ID: P01731	Excitation/Emission maxima wavelengths: 482 nm / 690 nm
Isotype: IgG2a, kappa	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 α β heterodimer while CD8 α α homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γ δ 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. 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:

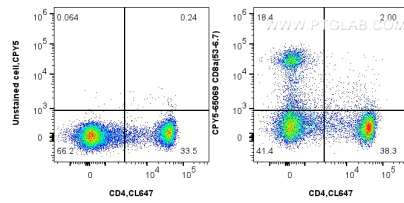
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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD8a (53-6.7) (CPY5-65069, Clone:53-6.7) or unstained. Cells were then stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD4 (GK1.5) (CL647-65104, Clone: GK1.5). Cells were not fixed.