

For Research Use Only

APC Anti-Mouse CD8a (53-6.7)

Catalog Number: APC-65069

5 Publications



Basic Information

Catalog Number: APC-65069	GenBank Accession Number: BC030679	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 12525	CloneNo.: 53-6.7
Source: Rat	Full Name: CD8 antigen, alpha chain	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Isotype: IgG2a, kappa		

Applications

Tested Applications:
FC

Cited Applications:
FC, IF

Species Specificity:
Mouse

Cited Species:
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 CD8αβ heterodimer while CD8αα homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR) γδ 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Dingyi Wang	35236203	Drug Deliv	FC
Linxiang Cai	37578941	J Med Chem	IF
Wenlong Lu	37370477	Animals (Basel)	FC

Storage

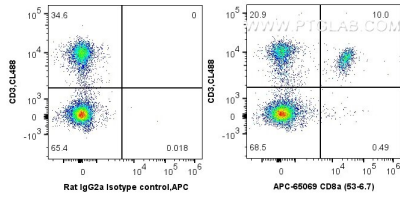
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with Coralite® Plus 488 Anti-Mouse CD3 and 0.2 ug APC Anti-Mouse CD8a (APC-65069, Clone:53-6.7) or 0.2 ug Isotype Control. Cells were not fixed.