For Research Use Only

APC Anti-Mouse CD8a (53-6.7)

Catalog Number:APC-65069 11 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
APC-65069

Size:
100ug, 100 ug/ml

Source:
Rat

Isotype:
IgG2a, kappa

GenBank Accession Number:
BC030679

GeneID (NCBI):
12525

UNIPROT ID:
P01731

Full Name:
CD8 antigen, alpha chain

Purification Method:
Affinity purification

CloneNo.:
53-6.7

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC

Cited Applications:
IF, FC

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 CD8α or as a heterodimer of CD8α 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).

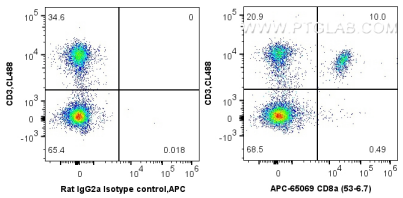
Notable Publications

Author	Pubmed ID	Journal	Application
Dingyi Wang	35236203	Drug Deliv	FC
Peixia Li	39447075	J Med Chem	
Yang Peng	39073014	Adv Healthc Mater	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.

Selected Validation Data



1X10^6 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.