

For Research Use Only

# FITC Plus Anti-Mouse CD8a (53-6.7)

Catalog Number: FITC-65069

3 Publications



## Basic Information

<b>Catalog Number:</b> FITC-65069	<b>GenBank Accession Number:</b> BC030679	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12525	<b>CloneNo.:</b> 53-6.7
<b>Source:</b> Rat	<b>Full Name:</b> CD8 antigen, alpha chain	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
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 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
Shichao Zhang	38091266	ACS Appl Mater Interfaces	FC
Zhuo Cheng	37544392	Acta Biomater	FC
Yezhou Li	36622422	Cancer Immunol Immunother	FC

## Storage

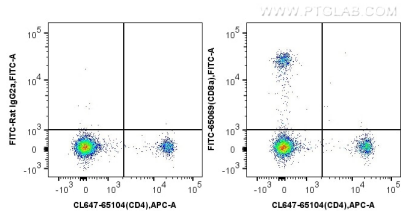
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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## Selected Validation Data



1X10<sup>6</sup> mouse splenocytes were surface stained with 5 ul CoraLite® Plus 647 Anti-Mouse CD4 (CL647-65104, Clone: GK1.5) and 0.5 ug FITC Plus Rat IgG2a isotype control (left) or 0.5 ug FITC Plus Anti-Mouse CD8a (FITC-65069, Clone: 53-6.7) (right). Cells were not fixed.