

For Research Use Only

FITC Plus Anti-Mouse CD8a (53-6.7)

Catalog Number: FITC-65069

3 Publications



Basic Information

Catalog Number:

FITC-65069

Size:

100ug, 0.5 mg/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:

495 nm / 524 nm

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 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).

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.

For technical support and original validation data for this product please contact:

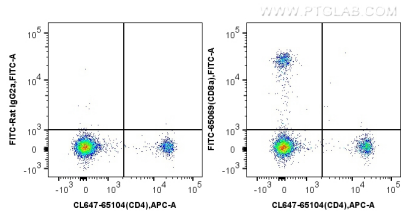
T: 4006900926

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 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.