

For Research Use Only

CoraLite®594 Anti-Mouse CD8a (5H10-1)



Catalog Number: **CL594-65205**

Basic Information

Catalog Number: CL594-65205	GenBank Accession Number: BC030679	Purification Method: Protein A purification
Size: 100ug, 0.5 mg/ml	GeneID (NCBI): 12525	CloneNo.: 5H10-1
Source: Rat	UNIPROT ID: P01731	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2b, lambda	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 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 CD8aβ heterodimer while CD8aα 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).

Storage

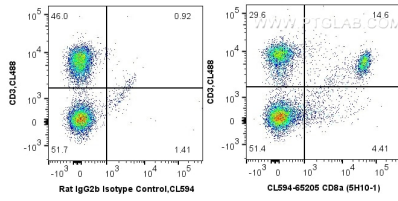
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1X10⁶ mouse splenocytes were surface co-stained with CoraLite® Plus 488 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® 594 Anti-Mouse CD8a (CL594-65205, Clone:5H10-1) or 0.5 ug Isotype Control. Cells were not fixed.