

For Research Use Only

# FcZero-rAb™ Biotin Anti-Human CD8 (SK1) Rabbit IgG Recombinant Antibody

Catalog Number: Biotin-FcA65630



## Basic Information

Catalog Number:	Biotin-FcA65630	GenBank Accession Number:	BC025715	Purification Method:	Protein A purification
Concentration:	100ug, 500 ug/ml	GenID (NCBI):	925	CloneNo.:	SK1
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000153563	Recommended Dilutions:	FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
Isotype:	IgG	UNIPROT ID:	P01732	Excitation/Emission maxima wavelengths:	-
		Full Name:	CD8a molecule		
		Calculated MW:	235 aa, 26 kDa		

## Applications

Tested Applications:	Positive Controls:
FC, ELISA	FC : human PBMCs,
Species Specificity:	human, monkey, non-human primates

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8 $\alpha$  or as a heterodimer of CD8 $\alpha$  and CD8 $\beta$  (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8 $\alpha$   $\beta$  heterodimer while CD8 $\alpha$   $\alpha$  homodimers alone have been found on some gut intraepithelial T cells, on some T cell receptor (TCR)  $\gamma$   $\delta$  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 and 0.5% BSA, pH7.3

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

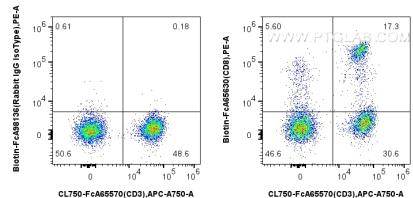
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD8 (SK1) Rabbit IgG RecAb (Biotin-FcA65630, Clone: SK1) or Rabbit IgG Isotype Control RecAb (Biotin-FcA98136, Clone: 2A0953C9) and PE-conjugated streptavidin. Cells were co-stained with Coralite® Plus 750 Anti-Human CD3 (UCHT1). Cells were not fixed.