

For Research Use Only

# FcZero-rAb™ PerCP-Cyanine5.5 Anti-Human CD8 (SK1) Rabbit IgG Recombinant Antibody

Catalog Number:CPY5-FcA65630



## Basic Information

Catalog Number:	CPY5-FcA65630	GenBank Accession Number:	BC025715	Purification Method:
Size:	100 tests, 5 µl/test	GenelD (NCBI):	925	Protein A purification
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000153563	CloneNo.:
Isotype:	IgG	UNIPROT ID:	P01732	SK1
		Full Name:	CD8a molecule	Recommended Dilutions:
		Calculated MW:	235 aa, 26 kDa	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
				Excitation/Emission maxima wavelengths:
				482 nm / 690nm

## Applications

Tested Applications:	Positive Controls:
FC	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).

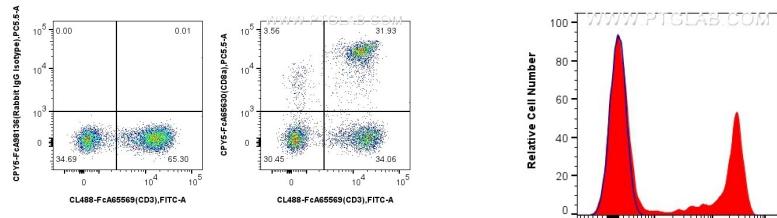
## Storage

**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:  
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



1x10<sup>6</sup> human PBMCs were surface stained with FcZero-rAb™ Coralite® Plus 488 Anti-Human CD3 (OKT3), and 5  $\mu$ l PerCP-Cyanine5.5 Anti-Human CD8 (SK1) Rabbit IgG RecAb (CPY5-FcA65630, Clone:SK1) or FcZero-rAb™ PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.

1x10<sup>6</sup> human PBMCs were surface stained with 5  $\mu$ l PerCP-Cyanine5.5 Anti-Human CD8 (SK1) Rabbit IgG RecAb (CPY5-FcA65630, Clone:SK1) (red) or FcZero-rAb™ PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed. Lymphocytes were gated.