

For Research Use Only

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

Catalog Number: **APC-FcA65630**



## Basic Information

<b>Catalog Number:</b>	APC-FcA65630	<b>GenBank Accession Number:</b>	<b>Purification Method:</b>
<b>Size:</b>	100 tests, 5 µl/test	<b>GenID (NCBI):</b>	<b>Protein A purification</b>
<b>Source:</b>	Rabbit	<b>ENSEMBL Gene ID:</b>	<b>Clone No.:</b>
<b>Isotype:</b>	IgG	<b>UNIPROT ID:</b>	<b>SK1</b>
		<b>Full Name:</b>	<b>Recommended Dilutions:</b>
		CD8a molecule	FC: 5 µl per 10 <sup>6</sup> cells in a 100 µl suspension
		<b>Calculated MW:</b>	<b>Excitation/Emission maxima wavelengths:</b>
		235 aa, 26 kDa	650 nm / 660 nm

## Applications

<b>Tested Applications:</b>	<b>Positive Controls:</b>
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).

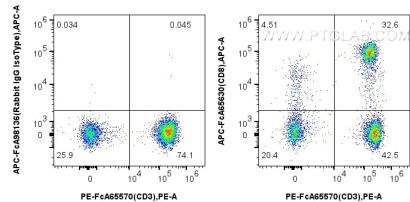
## Storage

**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

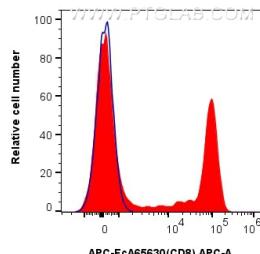
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with PE Anti-Human CD3 (UCHT1), and 5  $\mu$ l APC Anti-Human CD8 (SK1) Rabbit IgG RecAb (APC-FcA65630, Clone: SK1) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



$1 \times 10^6$  human PBMCs were surface stained with 5  $\mu$ l APC Anti-Human CD8 (SK1) Rabbit IgG RecAb (APC-FcA65630, Clone: SK1)(red) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.