

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>	BC025715	<b>Purification Method:</b>	Protein A purification
<b>Concentration:</b>	100 tests, 5 $\mu$ l/test	<b>GenID (NCBI):</b>	925	<b>CloneNo.:</b>	SK1
<b>Source:</b>	Rabbit	<b>ENSEMBL Gene ID:</b>	ENSG00000153563	<b>Recommended Dilutions:</b>	FC: 5 $\mu$ l per $10^6$ cells in a 100 $\mu$ l suspension
<b>Isotype:</b>	IgG	<b>UNIPROT ID:</b>	P01732	<b>Excitation/Emission maxima wavelengths:</b>	650 nm / 660 nm
		<b>Full Name:</b>	CD8a molecule		
		<b>Calculated MW:</b>	235 aa, 26 kDa		

## 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).

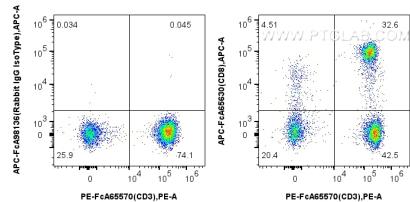
## Storage

**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

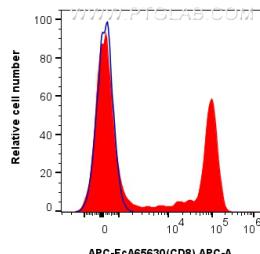
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with PE Anti-Human CD3 (UCHT1), and 5 ul 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.



1x10<sup>6</sup> human PBMCs were surface stained with 5 ul 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.