

For Research Use Only

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

Catalog Number: APC-FcA65630



## Basic Information

### Catalog Number:

APC-FcA65630

### Size:

100 tests, 5 µl/test

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC025715

### GeneID (NCBI):

925

### ENSEMBL Gene ID:

ENSG00000153563

### UNIPROT ID:

P01732

### Full Name:

CD8a molecule

### Calculated MW:

235 aa, 26 kDa

### Purification Method:

Protein A purification

### CloneNo.:

SK1

### Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

### Excitation/Emission maximum wavelengths:

650 nm / 660 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

human, monkey, non-human primates

### Positive Controls:

FC : human PBMCs,

## Background Information

CD8 is a transmembrane glycoprotein composed of two disulfide-linked chains. It can be present as a homodimer of CD8α or as a heterodimer of CD8α and CD8β (PMID: 3264320; 8253791). CD8 is found on most thymocytes. The majority of class I-restricted T cells express mostly the CD8αβ heterodimer while CD8αα 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 and 0.5% BSA, pH7.3

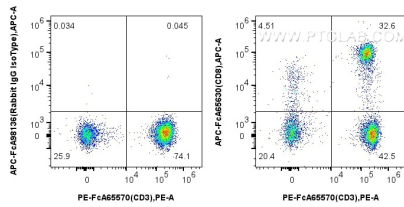
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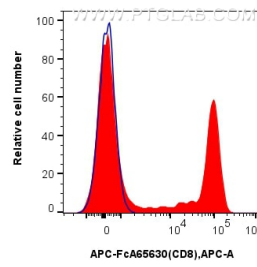
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## Selected Validation Data



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.