

## Product datasheet

# Anti-CD8 alpha antibody [RPA-T8] (PE/Cy5®) ab95595

★★★★☆ 1 Abreviews 2 Images

### Overview

<b>Product name</b>	Anti-CD8 alpha antibody [RPA-T8] (PE/Cy5®)
<b>Description</b>	Mouse monoclonal [RPA-T8] to CD8 alpha (PE/Cy5®)
<b>Host species</b>	Mouse
<b>Conjugation</b>	PE/Cy5®. Ex: 496nm, Em: 670nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	hPBMC stimulated with PHA.
<b>Positive control</b>	Normal Human peripheral blood cells

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.2% BSA, 0.87% Sodium chloride, PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	RPA-T8
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

### Applications

Our [Abpromise guarantee](#) covers the use of **ab95595** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Application	Abreviews	Notes
Flow Cyt	★★★★☆	Use 5µl for 10 <sup>6</sup> cells. <a href="#">ab67435</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

### Function

Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.

### Involvement in disease

Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.

### Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

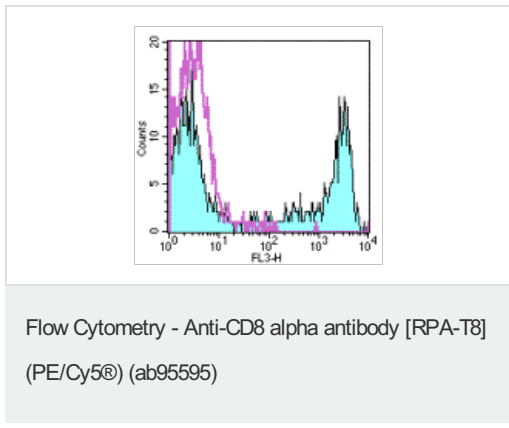
### Post-translational modifications

All of the five most carboxyl-terminal cysteines form inter-chain disulfide bonds in dimers and higher multimers, while the four N-terminal cysteines do not.

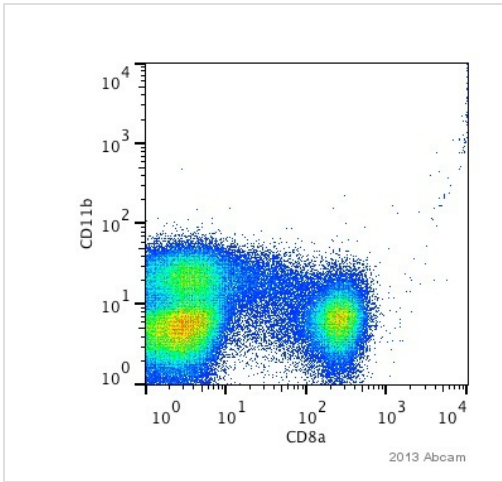
### Cellular localization

Secreted and Cell membrane.

## Images



Staining of normal Human peripheral blood cells with Mouse IgG1 isotype control PE-Cy5 (open histogram) or ab95595 (filled histogram). Cells in the lymphocyte gate were used for analysis.



ab95595 staining CD8 alpha in Human PBMCs cell by Flow Cytometry. Cells were harvested by Ficoll-hypaque gradient. The sample was incubated with the primary antibody (1/100 2% Human serum, 1mM EDTA in PBS) for 25 minutes at 4°C.

**Gating Strategy:** Lymphocytes.

Flow Cytometry - Anti-CD8 alpha antibody [RPA-T8] (PE/Cy5®) (ab95595)

This image is courtesy of an anonymous Abreview

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