

## 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>	Preservative: 0.09% Sodium Azide Constituents: 0.2% BSA, PBS, 150mM Sodium chloride, pH 7.2
<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.

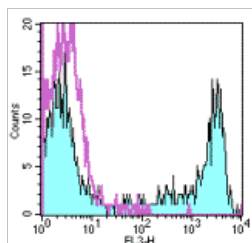
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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

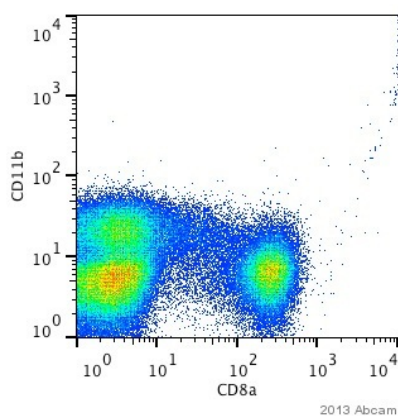
<b>Function</b>	Identifies cytotoxic/suppressor T-cells that interact with MHC class I bearing targets. CD8 is thought to play a role in the process of T-cell mediated killing. CD8 alpha chains binds to class I MHC molecules alpha-3 domains.
<b>Involvement in disease</b>	Defects in CD8A are a cause of 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.
<b>Sequence similarities</b>	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



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

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.



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

This image is courtesy of an anonymous Abreview

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.

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