

Product datasheet

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

★★★★☆ 1 Abreviews 2 Images

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 0.2% BSA, PBS, 150mM Sodium chloride, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Clone number	RPA-T8
Isotype	IgG1
Light chain type	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
-------------	-----------	-------

Application	Abreviews	Notes
-------------	-----------	-------

Flow Cyt



Use 5µl for 10⁶ cells.

[ab67435](#) - 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.

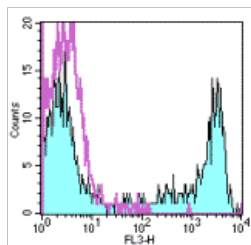
Post-translational modifications

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

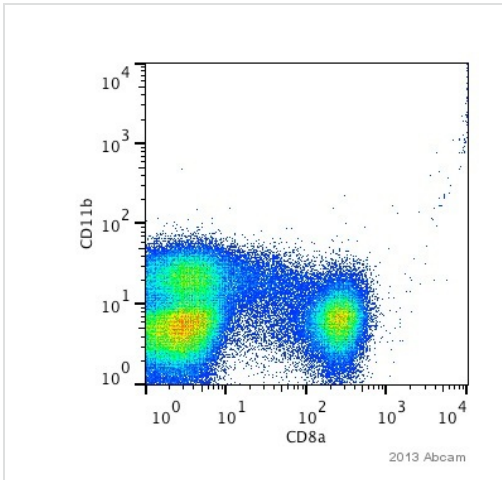
Secreted and Cell membrane.

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.

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



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

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors