

## Product datasheet

# Anti-CD8 alpha antibody [53-6.7] ab25478

★★★★★ [2 Abreviews](#) [11 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-CD8 alpha antibody [53-6.7]
<b>Description</b>	Rat monoclonal [53-6.7] to CD8 alpha
<b>Host species</b>	Rat
<b>Specificity</b>	ab25478 recognises a chain of the murine CD8 heterodimer.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Tissue, cells or virus corresponding to CD8 alpha. Spleen cells or thymocyte membranes
<b>General notes</b>	<p>This antibody blocks allogeneic help specific for class I MHC antigens and T cell responses to IL-2.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 8.20 Constituent: 100% Borate buffered saline
<b>Purity</b>	Affinity purified
<b>Primary antibody notes</b>	This antibody blocks allogeneic help specific for class I MHC antigens and T cell responses to IL-2.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	53-6.7

**Isotype** IgG2a  
**Light chain type** kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab25478 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 2µg for 10 <sup>6</sup> cells. <b>ab18450</b> - Rat monoclonal IgG2a, 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.

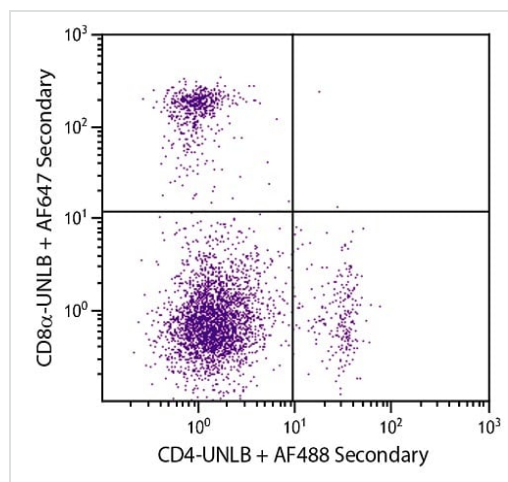
**Involvement in disease** Defects in CD8A are a cause of familial CD8 deficiency (CD8 deficiency) [MIM:608957]. Familial CD8 deficiency is a novel autosomal recessive immunologic defect characterized by absence of CD8+ cells, leading to recurrent bacterial infections.

**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



Flow Cytometry analysis of BALB/c mouse splenocytes labeling CD8 alpha with ab25478 at 1 µg/10<sup>6</sup> cells, and Rat Anti-Mouse CD4-UNLB, followed by Mouse Anti-Rat IgG2a-AF647 and Mouse Anti-Rat IgG2b-AF488.

Flow Cytometry - Anti-CD8 alpha antibody [53-6.7] (ab25478)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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