

Product datasheet

violetFluor™ 450 Anti-CD8 alpha antibody [2.43] ab242255

[1 References](#) [1 Image](#)

Overview

Product name	violetFluor™ 450 Anti-CD8 alpha antibody [2.43]
Description	violetFluor™ 450 Rat monoclonal [2.43] to CD8 alpha
Host species	Rat
Conjugation	violetFluor™ 450. Ex: 405nm, Em: 450nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Flow Cyt: C57Bl/6 splenocytes.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin
Purity	Affinity purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	2.43

Isotype

IgG2b

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab242255 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 at an assay dependent concentration. 0.25 µg: The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

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.

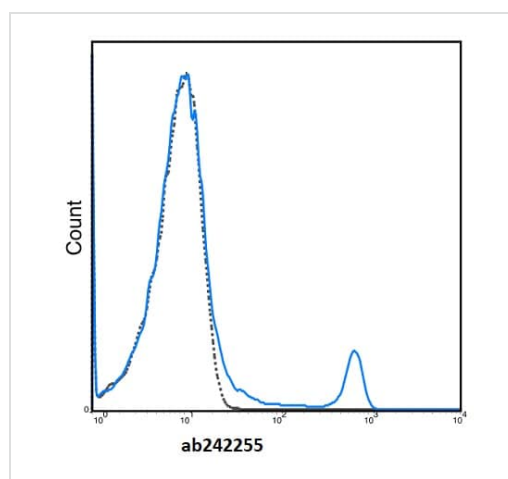
Post-translational modifications

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 Cytometric analysis of C57Bl/6 bone marrow cells staining CD8 using 0.25 µg ab242255 (solid line) or 0.25 µg violetFluor™ 450 Rat IgG2b isotype control (dashed line).

Flow Cytometry - violetFluor™ 450 Anti-CD8 alpha antibody [2.43] (ab242255)

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

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