

Product datasheet

Anti-CD8 alpha antibody [2.43] (FITC) ab210214

1 Image

Overview

<b>Product name</b>	Anti-CD8 alpha antibody [2.43] (FITC)
<b>Description</b>	Rat monoclonal [2.43] to CD8 alpha (FITC)
<b>Host species</b>	Rat
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Specificity</b>	This antibody is widely used as a phenotypic marker for mouse CD8 alpha on cytotoxic T cells, thymocytes, as well as on certain cell types that do not also express the TCR, including some NK cells and lymphoid dendritic cells.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Positive control</b>	Mouse C57Bl/6 splenocytes
<b>General notes</b>	The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Store In the Dark.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.09% Sodium azide Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	ab210214 was purified from tissue culture supernatant via affinity chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2.43
<b>Isotype</b>	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab210214** in the following tested applications.

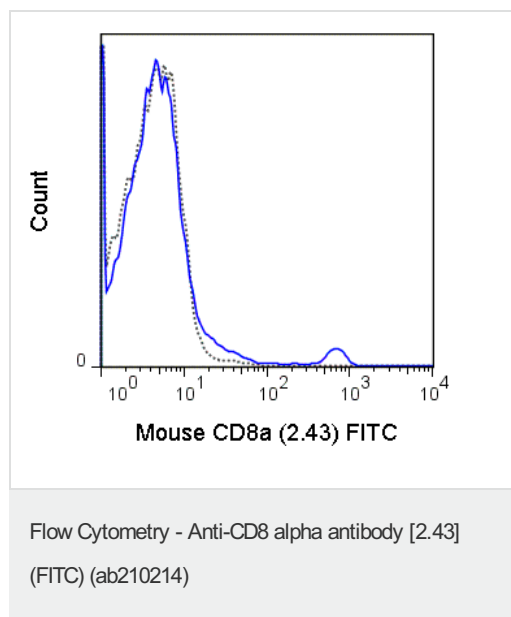
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.

## 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 cytometric analysis of C57Bl/6 splenocytes labeling CD8 alpha with ab210214 at 0.5  $\mu$ g (solid line) or Rat IgG2b FITC isotype control at 0.5  $\mu$ g (dashed line).

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