abcam

Product datasheet

PE/Cy7® Anti-CD8 alpha antibody [2.43] ab210216

1 Image

Overview

Product name	PE/Cy7® Anti-CD8 alpha antibody [2.43]
Description	PE/Cy7® Rat monoclonal [2.43] to CD8 alpha
Host species	Rat
Conjugation	PE/Cy7®. Ex: 496nm, Em: 774nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Positive control	Mouse spleen cells
General notes	The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva. 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark. Store undiluted.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin
Purification notes	ab210216 was purified from tissue culture supernatant via affinity chromatography.
Clonality	Monoclonal

Clone number	2.43
Isotype	IgG2b

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab210216 in the following tested applications.

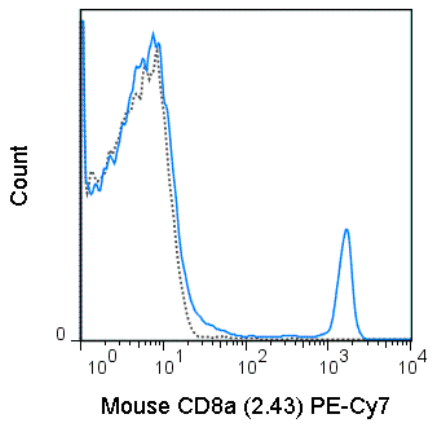
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. Use 0.25 µg

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 - PE/Cy7® Anti-CD8 alpha antibody [2.43] (ab210216)

Flow cytometric analysis of C57Bl/6 splenocytes labeling CD8 alpha with ab210216 at 0.25 µg (solid line) or Rat IgG2b PE-Cy7 isotype control at 0.25 µg (dashed line).

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