abcam

PE Anti-CD8 alpha antibody [EP72] ab25436

Overview

Product name	PE Anti-CD8 alpha antibody [EP72]
Description	PE Mouse monoclonal [EP72] to CD8 alpha
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	ab25436 recognises alpha chain of chicken CD8.
Tested applications	**Suitable for:** IP, Flow Cyt, IHC-Fr, Purification
Species reactivity	**Reacts with:** Chicken
Immunogen	Tissue, cells or virus corresponding to Chicken CD8 alpha. Chicken splenocytes
General notes	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. Store In the Dark.
Storage buffer	pH: 7.3
Preservative: 0.09% Sodium azide
Constituents: PBS, 16% Sucrose

Stabilising agent. |
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EP72
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab25436 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
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. **ab91532** - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
IHC-Fr		Use at an assay dependent concentration. Acetone fixed.
Purification		Use at an assay dependent concentration. Purification of CD8+ T cells by positive cell sorting.

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.

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

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
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- 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 **https://www.abcam.com/abpromise** or contact our technical team.

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