

Product datasheet

APC Anti-CD8 alpha antibody [EPR21769] ab237368

Recombinant **RabMAb**

[1 References](#) [2 Images](#)

Overview

Product name	APC Anti-CD8 alpha antibody [EPR21769]
Description	APC Rabbit monoclonal [EPR21769] to CD8 alpha
Host species	Rabbit
Conjugation	APC. Ex: 645nm, Em: 660nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment within Mouse CD8 alpha aa 1-200. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P01731
Positive control	Flow cyt: C57/BL6 Splenocytes
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 1% BSA, PBS
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR21769
Isotype	IgG

Applications

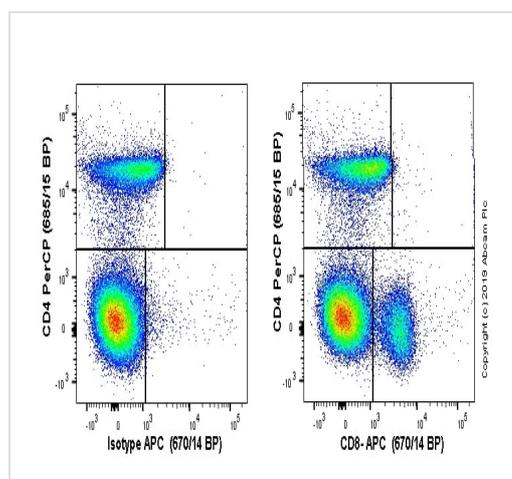
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab237368 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/500.

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 - APC Anti-CD8 alpha antibody
[EPR21769] (ab237368)

C57BL/6 mouse splenocytes stained with ab237368 (right) or Rabbit IgG (monoclonal) Allophycocyanin ([ab232814](#)) (left). C57BL/6 Mouse splenocytes were incubated for 30 min on ice in 1x PBS containing 10 µg/ml anti-CD16/32 antibody and 10% normal goat serum to block FC receptors and non-specific protein-protein interactions followed by the antibody (ab237368) or Rabbit IgG (monoclonal) Allophycocyanin ([ab232814](#)) (1×10^6 in 100 µl at 1 µg/ml (1/500)) for 30 min on ice. The cells were simultaneously stained with CD4 PerCP conjugated antibody. Acquisition of >30,000 events were collected using a 40 mW Red laser (640 nm) and 660/20 bandpass filter. Events were gated on viable CD19 and CD3 negative lymphocytes.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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(ab237368)

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

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