

Product datasheet

Anti-CD8 alpha antibody [EP1150Y] ab93278

Recombinant RabMAb

★★★★★ [5 Abreviews](#) [45 References](#) [3 Images](#)

Overview

Product name	Anti-CD8 alpha antibody [EP1150Y]
Description	Rabbit monoclonal [EP1150Y] to CD8 alpha
Host species	Rabbit
Specificity	The immunogen sequence for this antibody has no significant homology with mouse and rat CD alpha and beta. This product showed specific staining in lymphocytes, although we observed background staining in some epithelial cells tested.
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: IHC-P
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Synthetic peptide corresponding to Human CD8 alpha aa 200 to the C-terminus (C terminal). Database link: P01732
Positive control	WB: THP-1 cell lysate. ICC/IF: MOLT-4 cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20

	Preservative: 0.01% Sodium azide
	Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP1150Y
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab93278 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

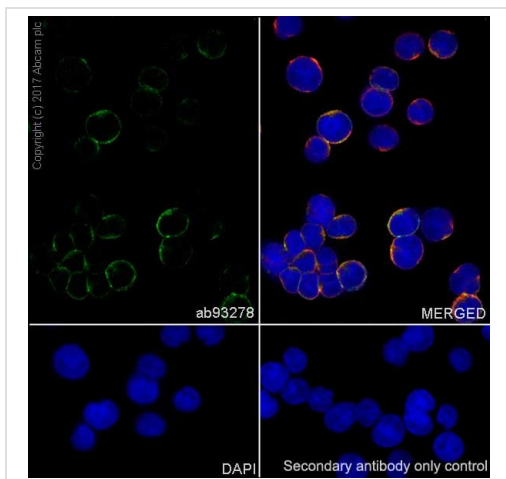
Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 26 kDa. For unpurified use at 1/1000 - 1/10000.
ICC/IF		1/500. For unpurified use at 1/50 - 1/100.

Application notes Is unsuitable for IHC-P.

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.

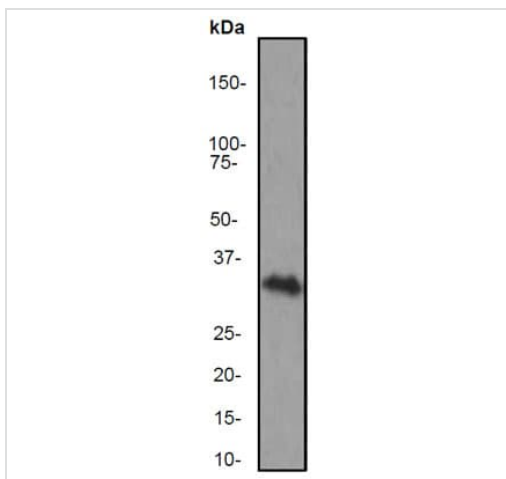
Images



Immunocytochemistry/ Immunofluorescence - Anti-CD8 alpha antibody [EP1150Y] (ab93278)

Immunocytochemistry analysis of MOLT-4 (human lymphoblastic leukemia T lymphoblast) labeling CD8 alpha with purified ab93278 at 1/250 dilution (9 µg/ml). Cells were fixed with 100% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/1000 (2 µg/ml) was used as the secondary antibody. [ab195889](#) Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.21 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.

Negative control: PBS instead of the primary antibody.



Western blot - Anti-CD8 alpha antibody [EP1150Y] (ab93278)

Anti-CD8 alpha antibody [EP1150Y] (ab93278) at 1/1000 dilution (unpurified) + THP-1 cell lysate at 10 µg

Predicted band size: 26 kDa

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

Anti-CD8 alpha antibody [EP1150Y] (ab93278)

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

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