


Anti-CD8 alpha antibody ab4055

★★★★★ [14 Abreviews](#) [156 References](#) [4 Images](#)

Overview

Product name	Anti-CD8 alpha antibody
Description	Rabbit polyclonal to CD8 alpha
Host species	Rabbit
Specificity	From Mar 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help. You may also be interested in our alternative recombinant antibody, ab178089 .
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Rhesus monkey 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com. 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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Immunogen affinity purified

Clonality	Polyclonal
Isotype	IgG

Applications

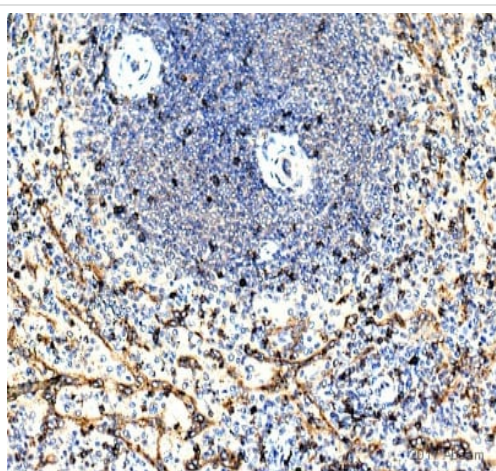
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab4055 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (9)	1/200.

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.

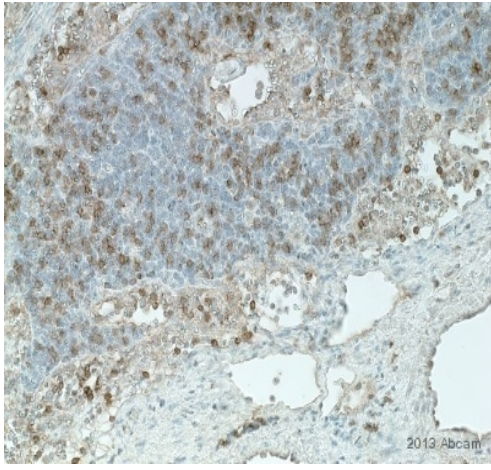
Images



ab4055 staining CD8 alpha in human spleen tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 2% BSA for 10 minutes at 21°C; antigen retrieval was by heat mediation in citric acid. Samples were incubated with the primary antibody (1/100 in TBS/BSA/azide) for 16 hours at 21°C. A biotin-conjugated goat anti-rabbit IgG polyclonal (1/300) was used as the secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody (ab4055)

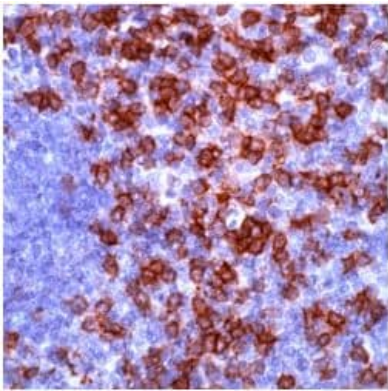
This image is courtesy of an Abreview submitted by Carl Hobbs.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody (ab4055)

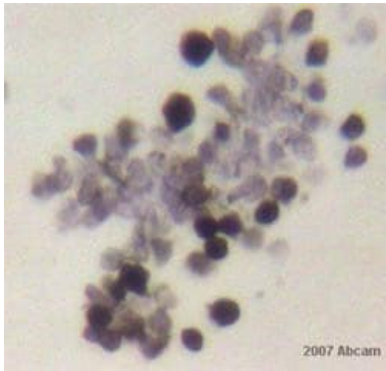
This image is courtesy of an Abreview submitted by R Berahovich

ab4055 staining CD8 alpha in Human lymph node tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked for 5 minutes at 25°C; antigen retrieval was by heat mediation. Samples were incubated with primary antibody (1/200) for 1 hour at 25°C. A Biotin-conjugated Donkey anti-rabbit IgG polyclonal (1/1000) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody (ab4055)

ab4055 at 1/200 staining CD8 alpha in human tonsil tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded sections).



ab4055 at 1/500 dilution staining CD8 alpha from human PBMC (Peripheral blood mononuclear cells) tissue sections by IHC-P. The tissue was paraformaldehyde fixed and a heat mediated antigen retrieval step was performed prior to incubation with the antibody for 20 minutes. A biotinylated goat anti-rabbit antibody was used as the secondary.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody (ab4055)

This image is courtesy of an Abreview submitted by Miss Jill Montgomery

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