

## Product datasheet

# Anti-CD8 alpha antibody [C8/144B], prediluted ab75129

★★★★★ 1 Abreviews 5 References 1 Image

### Overview

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<b>Product name</b>	Anti-CD8 alpha antibody [C8/144B], prediluted
<b>Description</b>	Mouse monoclonal [C8/144B] to CD8 alpha, prediluted
<b>Host species</b>	Mouse
<b>Specificity</b>	We have data to indicate that this antibody may not cross react with Rat. However, this has not been conclusively tested and expression levels may vary in certain cell lines/tissues.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human CD8 alpha (C terminal). A 13 amino acid synthetic peptide from the C terminal cytoplasmic domain.
<b>Epitope</b>	C terminal
<b>Positive control</b>	Human tonsil and lymph node tissue.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	<p>pH: 7.60</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: 7.9% Tris HCl</p> <p>Stabilizing agent.</p>
<b>Purity</b>	Affinity purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C8/144B
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab75129 in the following tested applications.

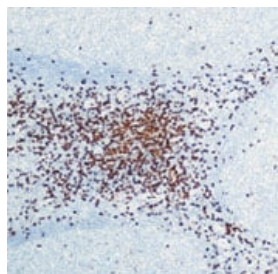
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## Target

<b>Function</b>	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.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



ab75129, at a 1/25 dilution, staining CD8 alpha in formalin fixed, paraffin embedded human tonsil tissue by Immunohistochemistry, using peroxidase conjugate and DAB chromogen. Note membrane staining of T cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody [C8/144B], prediluted (ab75129)

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