

## Product datasheet

# Anti-CD8 alpha antibody [C8/468 + C8/144B] - BSA and Azide free ab213020

★★★★★ 1 Abreviews 1 Image

### Overview

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<b>Product name</b>	Anti-CD8 alpha antibody [C8/468 + C8/144B] - BSA and Azide free
<b>Description</b>	Mouse monoclonal [C8/468 + C8/144B] to CD8 alpha - BSA and Azide free
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p><b>This product was produced with the following immunogens:</b></p> <p>Recombinant fragment corresponding to Human CD8 alpha. Clone C8/468. Database link: <a href="#">P01732</a></p> <p>Synthetic peptide corresponding to Human CD8 alpha (C terminal). Clone C8/144B. 13 amino acid synthetic peptide from C terminal cytoplasmic domain Database link: <a href="#">P01732</a></p>
<b>Positive control</b>	HuT78 or hPBL. Human tonsil tissue.
<b>General notes</b>	Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	ab213020 is purified from Bioreactor Concentrate by Protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C8/468 + C8/144B

<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

Our [Abpromise guarantee](#) covers the use of **ab213020** in the following tested applications.

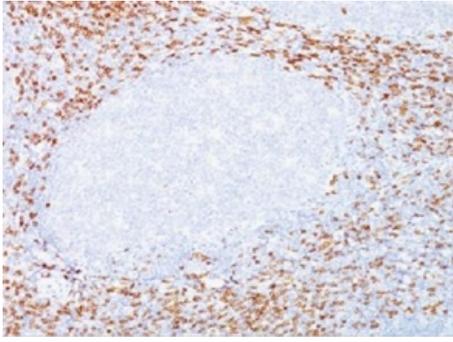
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1µg for 10 <sup>6</sup> cells. (in 0.1ml volume)
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (for 30 minutes at RT)
ICC/IF		Use a concentration of 0.5 - 1 µg/ml.

## 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



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human tonsil tissue labeling CD8 alpha with ab213020 at 1 µg/ml dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD8 alpha antibody [C8/468 + C8/144B] - BSA and Azide free (ab213020)

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

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