abcam

Product datasheet

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

1 Abreviews 7 References 1 Image

Overview

Product name	Anti-CD8 alpha antibody [C8/144B], prediluted
Description	Mouse monoclonal [C8/144B] to CD8 alpha, prediluted
Host species	Mouse
Specificity	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.
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human CD8 alpha (C terminal). A 13 amino acid synthetic peptide from the C terminal cytoplasmic domain.
Epitope	C terminal
Positive control	Human tonsil and lymph node tissue.
General notes	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. Store at +4°C.
Storage buffer	pH: 7.60 Preservative: 0.09% Sodium azide Constituent: 7.9% Tris HCl Stabilizing agent.
Purity	Affinity purified

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

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab75129 in the following tested applications.

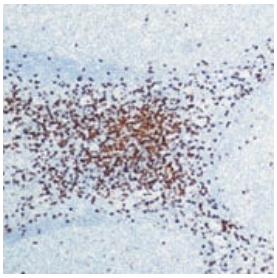
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

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



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

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.

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