abcam

Product datasheet

FITC Anti-CD8 antibody [LT8] ab28010

6 References 1 Image

Overview

Product name	FITC Anti-CD8 antibody [LT8]
Description	FITC Mouse monoclonal [LT8] to CD8
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human, Rhesus monkey
Immunogen	Tissue, cells or virus corresponding to Human CD8. normal human blood lymphocytes.
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: 7.40 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
Purity	Ion Exchange Chromatography
Purification notes	Ion exchange chromatography.
Clonality	Monoclonal
Clone number	LT8
Myeloma	x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab28010 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		1/1 - 1/5. 10µl of the working dilution for 10^6 cells or 100µl human whole blood. **ab91356** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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.

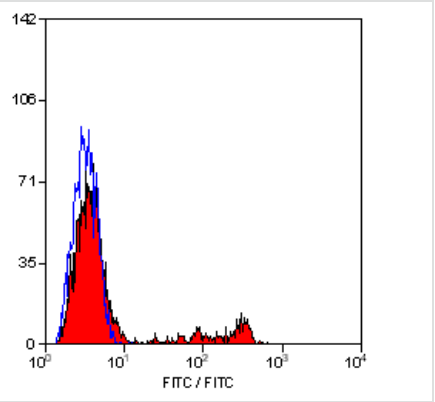
Sequence similarities Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Post-translational modifications All of the five most C-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.

Form CD8 beta tissue specificity: Isoform 1, isoform 3, isoform 5, isoform 6, isoform 7 and isoform 8 are expressed in both thymus and peripheral CD8+ T-cells. Expression of isoform 1 is higher in thymus CD8+ T-cells than in peripheral CD8+ T-cells. Expression of isoform 6 is higher in peripheral CD8+ T-cells than in thymus CD8+ T-cells. CD8 beta PTM: Phosphorylated as a consequence of T-cell activation.

Images



Flow Cytometry - FITC Anti-CD8 antibody [LT8] (ab28010)

Staining of human peripheral blood lymphocytes with mouse anti-human CD8 - FITC conjugate (ab28010).

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