Datasheet for ABIN6655185

anti-CD8 alpha antibody (FITC)

3 Images

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Overview

Quantity:	500 µL
Target:	CD8 alpha (CD8A)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD8 alpha antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	CD8 Fluorescein Antibody
Immunogen:	Anti-CD8 Antibody (Monoclonal) was produced by repeated immunizations with CD8 antigen.
Clone:	RPA-T8
Isotype:	IgG1 kappa
Cross-Reactivity (Details):	Reactivity is observed against human CD8 and chimpanzee.
Purification:	Fluorescein conjugated CD8 Monoclonal Antibody was Protein G Purified from tissue culture supernatant and is directed against human CD8.
Sterility:	Sterile filtered
Labeling Ratio:	2-8

Target Details

Target:	CD8 alpha (CD8A)
Alternative Name:	CD8A (CD8A Products)
Background:	Synonyms: T-cell surface glycoprotein CD8 alpha chain, T-lymphocyte differentiation antigen T8/Leu-2, CD8a, CD8A, MAL Background: CD8 is a cell surface glycoprotein expressing on thymocytes subsets and cytotoxic T cells and is either a homodimer of two alpha chains, or a heterodimer of one alpha and one beta chain. It acts as a coreceptor during T cell activation through the binding of MHC Class I molecules and is found on T lymphocytes that mediates efficient cell-cell interactions within the immune system. CD8 associates with LCK with the help of a zinc clasp structure and down-regulates the production of major Th2-type cytokines. CD8 is also known to recruit pUL97 thereby inducing dissolution of the nuclear lamina and facilitating the nuclear export of viral capsids. Gene Name: CD8
Gene ID:	925
NCBI Accession:	NP_001139345
UniProt:	P01732
Pathways:	TCR Signaling

Application Details

Application Notes:	Optional[Neutralization_Dilution]: 10 µL/10^6 cells (0.25 µg)
Comment:	Anti-CD8 is tested for Flow Cytometry (Cell Surface). Researchers should determine optimal titers for applications that are not stated.
Restrictions:	For Research Use only

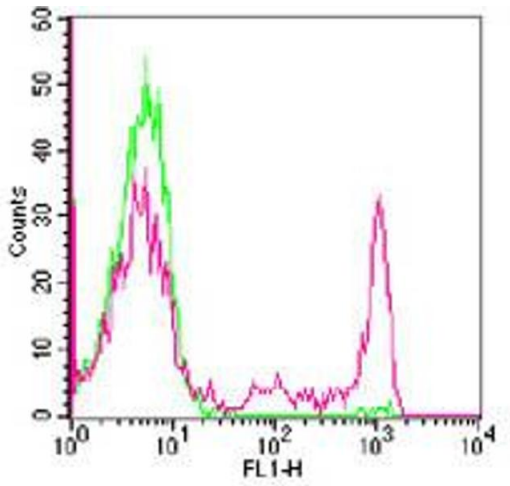
Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 0.1 % Gelatin Preservative: 0.09 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

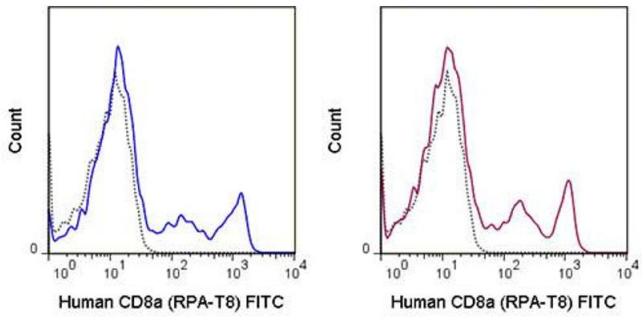
	should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.
Expiry Date:	6 months

Images



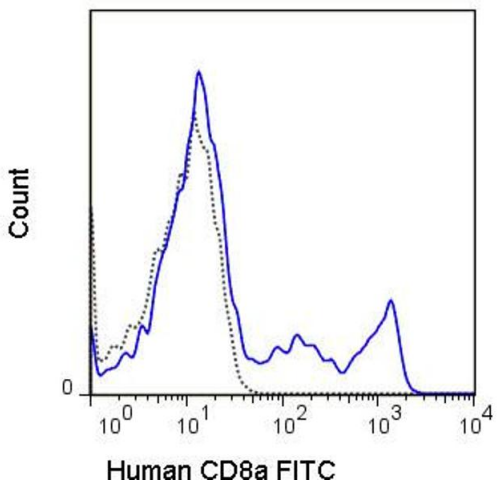
Flow Cytometry

Image 1. Flow Cytometry - Mouse anti-HUMAN CD8 FITC Cell Surface Flow Cytometry of Mouse anti-HUMAN CD8 antibody Fluorescein conjugated. Cells: 10^6 human PBMC. Stimulation: none. Antibody: (GREEN) isotype control antibody; (RED) Fluorescein Anti-CD8 mouse secondary antibody using 0.25 ug.



Flow Cytometry

Image 2. Flow Cytometry - Mouse anti-HUMAN CD8 FITC Flow Cytometry of Mouse anti-HUMAN CD8 antibody Fluorescein conjugated. Cells: 10^6 Human peripheral blood lymphocytes. Stimulation: none. Antibody: (GRAY) 1.0µg FITC Mouse IgG1 isotype control antibody; (BLUE) Fluorescein Anti-CD8 mouse secondary antibody, (ORANGE) Fluorescein Anti-CD8 mouse control antibody.



Flow Cytometry

Image 3. Flow Cytometry - Mouse anti-HUMAN CD8 FITC Flow Cytometry of Mouse anti-HUMAN CD8 antibody Fluorescein conjugated. Cells: 10^6 Human peripheral blood lymphocytes. Stimulation: none. Antibody: (GRAY) 1.0 µg FITC Mouse IgG1 isotype control antibody; (BLUE) Fluorescein Anti-CD8 mouse secondary antibody using 5 ul (1µg).