

Product datasheet

Anti-CD8 alpha antibody [OKT8] (FITC) ab210326

1 Image

Overview

Product name	Anti-CD8 alpha antibody [OKT8] (FITC)
Description	Mouse monoclonal [OKT8] to CD8 alpha (FITC)
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Human peripheral blood lymphocytes.
General notes	This antibody is widely used as a phenotypic marker for CD8 alpha on cytotoxic T cells, thymocytes, as well as on certain cell types that do not also express the TCR, including some NK cells and lymphoid dendritic cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.2 Preservative: 0.09% Sodium azide Constituents: 0.12% Monobasic dihydrogen sodium phosphate, 0.1% Gelatin, 0.87% Sodium chloride
Purity	Affinity purified
Purification notes	Purified from tissue culture supernatant and conjugated under optimal conditions, with unreacted dye removed from the preparation.
Clonality	Monoclonal
Clone number	OKT8
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab210326** in the following tested applications.

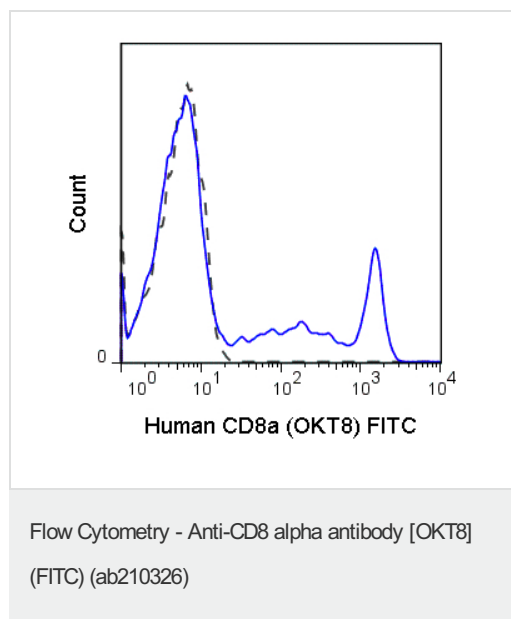
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 ⁵⁻⁸ cells.

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



Flow Cytometrical analysis of Human peripheral blood lymphocytes labeling CD8 alpha with 5µl ab210326 at (0.125µg) (solid line) or 0.125µg FITC Mouse IgG2a isotype control (dashed line).

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