

Product datasheet

Anti-CD8 antibody [YTC 182.20] (FITC) ab34153

1 Image

Overview

Product name	Anti-CD8 antibody [YTC 182.20] (FITC)
Description	Rat monoclonal [YTC 182.20] to CD8 (FITC)
Host species	Rat
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human, Monkey, Cynomolgus monkey, Rhesus monkey
Immunogen	Mouse L cells transfected with human CD8 gene.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 1% BSA, PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Clone number	YTC 182.20
Myeloma	Y3/Ag1.2.3
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab34153** 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
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Flow Cyt

Application notes Flow Cyt: Use 10µl for 10⁶ cells or 100µl whole blood.

Not yet tested in other applications.

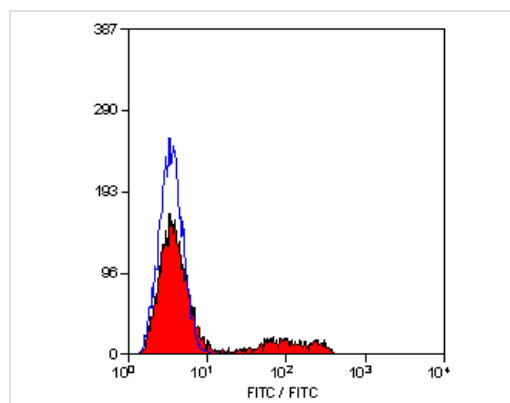
Optimal dilutions/concentrations should be determined by the end user.

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.
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Images



Staining of human peripheral blood lymphocytes with rat anti human ab34153

Flow Cytometry - Anti-CD8 antibody [YTC 182.20]
(FITC) (ab34153)

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