

CD8 alpha antibody [53-6.7] (FITC)

Cat. No. GTX80264

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Applications	FCM
Reactivity	Mouse

References (11)

Package

100 µg

PRODUCT

Summary

The 53-6.7 antibody reacts with the 32-34 kDa alpha subunit of mouse CD8, known as CD8a or CD8 alpha. CD8a can form a homodimer (CD8 alpha-alpha), but is more commonly expressed as a heterodimer with a second chain known as CD8b or CD8 beta. CD8 acts as a co-receptor in antigen recognition and subsequent T cell activation that is initiated upon binding of the T cell receptor (TCR) to antigen-bearing MHC Class I molecules. The cytoplasmic domains of CD8 provide binding sites for the tyrosine kinase lck, facilitating intracellular signaling events that lead to T cell activation, development, and cytotoxic effector functions. CD8+ cytotoxic T cells (CTLs) play an important role in inducing cell death of tumor cells, as well as cells infected by virus, bacteria or parasites.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM

Assay dependent

Not tested in other applications.

Properties

Form Liquid

Buffer 10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin

Preservative 0.09% Sodium azide

Storage Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.

Concentration 0.5 mg/ml (Please refer to the vial label for the specific concentration.)

Immunogen Mouse spleen cells

Purification Purified by affinity chromatography
From tissue culture supernatant

Conjugation Fluorescein isothiocyanate (FITC) [Wavelength](#)



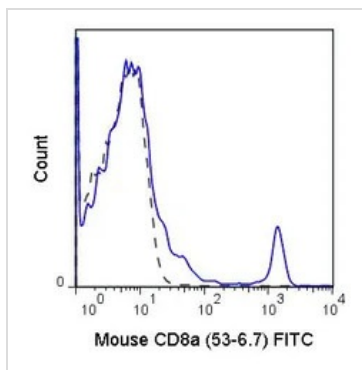
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX80264 FCM Image**

FACS analysis of C57Bl/6 splenocytes using GTX80264 CD8 alpha antibody [53-6.7] (FITC).

Solid line : Primary antibody

Dashed line : FITC rat IgG2a isotype control

Antibody amount : 0.5 μ g



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