

## CD8 alpha antibody [53-6.7] (Biotin)

Cat. No. GTX00452

<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Applications</b>	FCM
<b>Reactivity</b>	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 NaH<sub>2</sub>PO<sub>4</sub>, 150mM NaCl

**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** Spleen cells or thymocyte membranes

**Purification** Purified by affinity chromatography  
From tissue culture supernatant

**Conjugation** Biotin



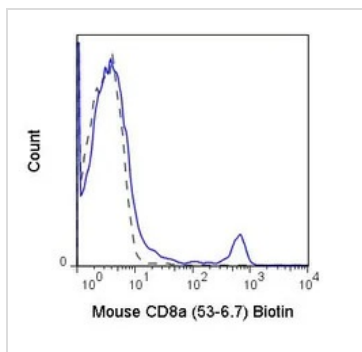
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**Note**

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

**GTX00452 FCM Image**

FACS analysis of C57Bl/6 splenocytes using GTX00452 CD8 alpha antibody [53-6.7] (Biotin).

Solid line : Primary antibody

Dashed line : Biotin rat IgG2a isotype control

Antibody amount : 0.125  $\mu$ g



For full product information, images and publications, please visit our [website](#).