

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

# Cat. No. GTX80265

Host	Rat
Clonality	Monoclonal
Isotype	lgG2a
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 NaH <sub>2</sub> PO <sub>4</sub> , 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	0.2 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	Phycoerythrin (PE) Wavelength



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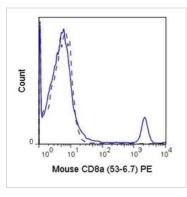


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Note

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



## GTX80265 FCM Image

FACS analysis of C57Bl/6 splenocytes using GTX80265 CD8 alpha antibody [53-6.7] (PE).

Solid line: Primary antibody

Dashed line: PE rat IgG2a isotype control

Antibody amount : 0.5 μg



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