

CD8 alpha antibody [53-6.7] (APC)

Cat. No. GTX80266

Host	Rat
Clonality	Monoclonal
Isotype	IgG2a
Application	FACS
Reactivity	Mouse

Reference (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.

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
FACS	Assay dependent

Not tested in other applications.

Calculated MW 27 kDa. ([Note](#))

PROPERTIES

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 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	Allophycocyanin (APC)



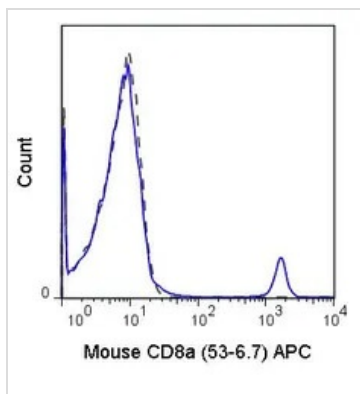
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Note

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

GTX80266 FACS Image

FACS analysis of C57Bl/6 splenocytes using GTX80266 CD8 alpha antibody [53-6.7] (APC).

Solid line : Primary antibody

Dashed line : APC rat IgG2a isotype control

Antibody amount : 0.25 μ g



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