CD8 antibody [SK1] (APC-Cy7)

Cat. No. GTX01468-15

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human, African green monkey, Baboon, Chimpanzee, Cynomolgus monkey, Pig-tailed macaque, Rhesus Monkey, Sooty Mangabey

References (7)
Package
100 test

PRODUCT

Summary

The SK1 antibody is specific for the 32-34 kDa alpha chain of human 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 for 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.The SK1 antibody is widely used as a phenotypic marker for CD8 on cytotoxic T cells, thymocytes, as well as on certain cell types that do not also express the TCR, including some NK cells and lymphoid dendritic cells. If used together with an alternative Anti-Human CD8a clone, RPA-T8, the SK1 antibody will not block binding of RPA-T8 to CD8a.

Applications

Application Note

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

Suggested dilution	Recommended dilution
FCM	0.25 µg (5 µl) for 10^5-10^8 cells in 100 µl sample per test

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH_2PO_4, 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4ºC. DO NOT FREEZE. Protect from light.
Concentration	0.05 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Allophycocyanin-Cyanine7 (APC-Cy7) Wavelength

For full product information, images and publications, please visit our website.

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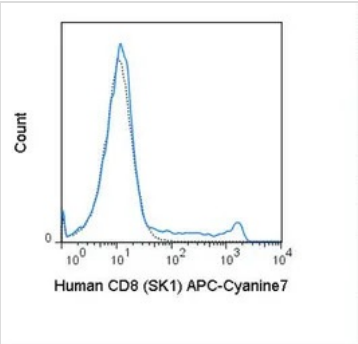
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Note

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DATA IMAGES



GTX01468-15 FCM Image

FACS analysis of human peripheral blood lymphocytes using GTX01468-15 CD8 antibody [SK1] (APC-Cy7).
Solid lone : primary antibody
Dashed line : isotype control
antibody amount : 0.25 µg (5 µl)

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