# CD8 antibody [SK1] (Biotin)

## Cat. No. GTX01468-02

| | |
|---|---|
| **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 µg

## 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 | Assay dependent |

Not tested in other applications.

## Properties

| | |
|---|---|
| **Form** | Liquid |
| **Buffer** | 10mM $NaH_2PO_4$, 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.) |
| **Purification** | Purified by affinity chromatography<br>From tissue culture supernatant |
| **Conjugation** | Biotin |

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



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**Note**

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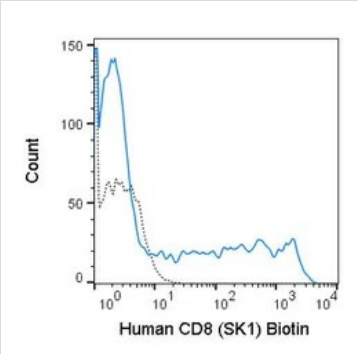
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

## DATA IMAGES




**GTX01468-02 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01468-02 CD8 antibody [SK1] (Biotin).
Solid lone : primary antibody
Dashed line : isotype control
antibody amount : 0.25 µg (5 µl)

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