

## CD4 antibody [SK3] (PE)

Cat. No. GTX01461-08

|              |   |
|--------------|---|
| Host         | Mouse                                   |
| Clonality    | Monoclonal                              |
| Isotype      | IgG1                                    |
| Applications | FCM                                     |
| Reactivity   | Human, Cynomolgus monkey, Rhesus Monkey |

References ( 5 )  
 Package  
 100 test

## PRODUCT

## Summary

The SK3 antibody reacts with human CD4, a 59 kDa protein which acts as a co-receptor for the T cell receptor (TCR) in its interaction with MHC Class II molecules on antigen-presenting cells. The extracellular domain of CD4 binds to the beta-2 domain of MHC Class II, while its cytoplasmic tail provides a binding site for the tyrosine kinase lck, facilitating the signaling cascade that initiates T cell activation. CD4, and co-receptors CCR5 and CXCR4, may also be utilized by HIV-1 to enter T cells. Human CD4 is typically expressed on thymocytes, some mature T cell populations such as Th17 and T regulatory (Treg) cells, as well as on dendritic cells. The SK3 antibody is widely used as a phenotypic marker for human CD4 expression, and has been reported to be cross-reactive with Rhesus and Cynomolgus CD4. This antibody does not block binding of alternative clone RPA-T4, suggesting that they recognize different epitopes.

## Applications

## Application Note

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

| Suggested dilution | Recommended dilution   |
|--------------------|--|
| FCM                | 0.125 µg (5 µl) for 10 <sup>5</sup> -10 <sup>8</sup> cells in 100 µl sample per test |

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 | 0.025 mg/ml (Please refer to the vial label for the specific concentration.)   |
| Purification  | Purified by affinity chromatography<br>From tissue culture supernatant   |
| Conjugation   | Phycoerythrin (PE) <a href="#">Wavelength</a>  |



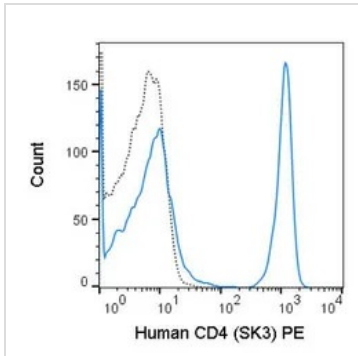
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## Note

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



### GTX01461-08 FCM Image

FACS analysis of human peripheral blood lymphocytes using GTX01461-08 CD4 antibody [SK3] (PE).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.125  $\mu$ g (5  $\mu$ l)



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