

## CD3 antibody [SK7] (PE-Cy7)

## Cat. No. GTX01460-10

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human, Chimpanzee

References ( 5 )

Package

100 test

## PRODUCT

**Summary** The SK7 antibody is specific for human CD3e, also known as CD3 epsilon, a 20 kDa subunit of the T cell receptor complex, along with CD3 gamma and CD3 delta. These integral membrane protein chains assemble with additional chains of the T cell receptor (TCR), as well as CD3 zeta chain, to form the T cell receptor – CD3 complex. Together with co-receptors CD4 or CD8, the complex serves to recognize antigens bound to MHC molecules on antigen-presenting cells. These interactions promote T cell receptor signaling (T cell activation), inducing cell proliferation, differentiation, production of cytokines or activation-induced cell death. CD3 is differentially expressed during thymocyte-to-T cell development and on all mature T cells. The SK7 antibody is a widely used phenotypic marker for human T cells. This antibody may induce T cell activation in the presence of monocytes. The antibody has also been demonstrated to be cross-reactive with Chimpanzee CD3. Binding of clone SK7 can be blocked by an alternative Anti-Human CD3 clone, OKT3.

## 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	
<b>Form</b> Liquid	
<b>Buffer</b> 10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin	
<b>Preservative</b> 0.09% Sodium azide	
<b>Storage</b> Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.	
<b>Concentration</b> 0.025 mg/ml (Please refer to the vial label for the specific concentration.)	
<b>Purification</b> Purified by affinity chromatography From tissue culture supernatant	
<b>Conjugation</b> Phycoerythrin-Cyanine7 (PE-Cy7) <a href="#">Wavelength</a>	



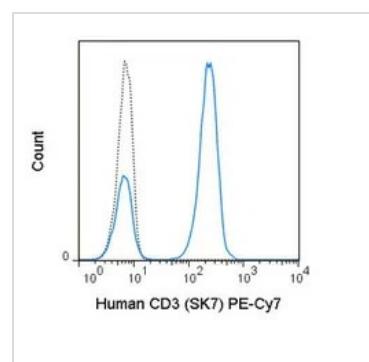
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**Note**

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****GTX01460-10 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01460-10 CD3 antibody [SK7] (PE-Cy7).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.125 µg (5 µl)



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