

Mouse Anti-human CD3, PE-Cy7 conjugated

Cat. Number:	BF00119
Target Protein:	human CD3 (Entrez Gene: 916; Swiss Prot: P07766)
Quantity Size:	25T/50T/100T
Clonality:	Monoclonal
Clone No.:	HIT3b
Isotype:	IgG1
Purity:	≥95%, Purified by Protein G
Form:	Liquid
Storage Buffer:	0.01M PBS, 0.5%BSA, 0.03%Proclin300.
Storage:	Store at 2-8°C, protect from light. Avoid repeated freeze/thaw cycles.
Application:	Flow-Cyt (5ul /Test)

Background: In immunology, the CD3 (cluster of differentiation 3) T cell co-receptor helps to activate both the cytotoxic T cell (CD8+ naive T cells) and also T helper cells (CD4+ naive T cells). It consists of a protein complex and is composed of four distinct chains. In mammals, the complex contains a CD3 γ chain, a CD3 δ chain, and two CD3 ϵ chains. These chains associate with the T-cell receptor (TCR) and the ζ -chain (zeta-chain) to generate an activation signal in T lymphocytes. The TCR, ζ -chain, and CD3 molecules together constitute the TCR complex.