

## Mouse Anti-human CD3, Cy7 conjugated

<b>Cat. Number:</b>	BF00115
<b>Target Protein:</b>	human CD3 (Entrez Gene: 916; Swiss Prot: P07766)
<b>Quantity Size:</b>	25T/50T/100T
<b>Clonality:</b>	Monoclonal
<b>Clone No.:</b>	HIT3b
<b>Isotype:</b>	IgG1
<b>Purity:</b>	≥95%, Purified by Protein G
<b>Form:</b>	Liquid
<b>Storage Buffer:</b>	0.01M PBS, 0.5%BSA, 0.03%Proclin300.
<b>Storage:</b>	Store at 2-8°C, protect from light. Avoid repeated freeze/thaw cycles.
<b>Application:</b>	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 $\gamma$  chain, a CD3 $\delta$  chain, and two CD3 $\epsilon$  chains. These chains associate with the T-cell receptor (TCR) and the  $\zeta$ -chain (zeta-chain) to generate an activation signal in T lymphocytes. The TCR,  $\zeta$ -chain, and CD3 molecules together constitute the TCR complex.