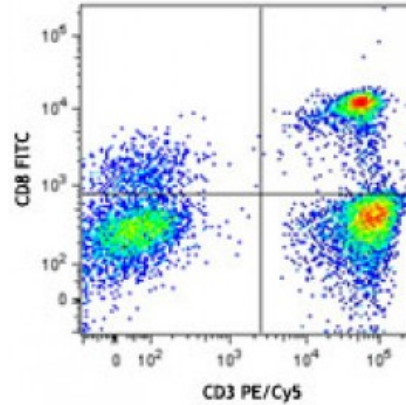


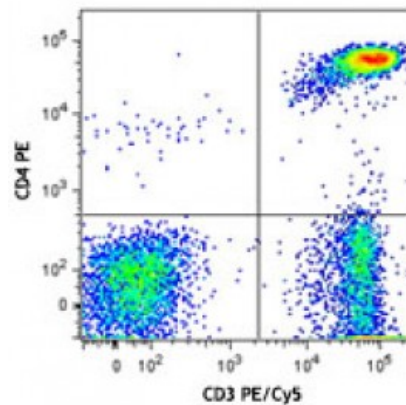
**Anti-human CD3 PE-Cy5/CD4 PE/CD8 FITC Cocktail**

**Catalog # / Size:** 2195005 / 50 tests  
**Clone:** UCHT1/RPA-T4/RPA-T8  
**Isotype:** Mouse IgG1  
**Reactivity:** Human  
**Preparation:** This reagent is a combination of PE/Cy5 conjugated UCHT1, PE conjugated RPA-T4 and FITC conjugated RPA-T8 at optimal concentration for three-color flow cytometric analysis.  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).  
**Concentration:** Lot-specific



**Applications:**

**Applications:** Flow Cytometry  
**Recommended Usage:** For flow cytometric staining, the suggested use of this reagent is 20 microL per million cells or 20 microL per 100 microL of whole blood.  
**Application Notes:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis.



**Note:** Single color controls are required to perform instrument compensation and are not included in the kit.

**Application References:** 1. Cheung TC, *et al.* 2010. *J. Immunol.* 185:1949. [PubMed](#)  
 2. Hobo W, *et al.* 2012. *J Immunol.* 189:39. [PubMed](#).

**Description:** CD3: UCHT1 antibody reacts with a combinatorial epitope of CD3ε, a 20 kD chain of the CD3/T-cell receptor (TCR) complex found on all mature T lymphocytes, NK-T cells and some thymocytes.  
 CD4: RPA-T4 antibody reacts with CD4, a 55 kD single-chain type I transmembrane glycoprotein expressed on most thymocytes, a subset of T cells, and monocytes/macrophages.  
 CD8: RPA-T8 antibody reacts with CD8a, a 32-34 kD type I glycoprotein. CD8a forms a heterodimer or homodimer with CD8b. CD8 also known as T8 and Leu2, is a member of the immunoglobulin superfamily found on the majority of thymocytes, a subset of peripheral blood T cells, and NK cells (express almost exclusively CD8a homodimers).

**Antigen References:** 1. Barclay N, *et al.* 1993. *The Leucocyte FactsBook.* Academic Press. San Diego.  
 2. Beverly P, *et al.* 1981. *Eur. J. Immunol.* 11:329.  
 3. Lanier L, *et al.* 1986. *J. Immunol.* 137:2501-2507.  
 4. Cen