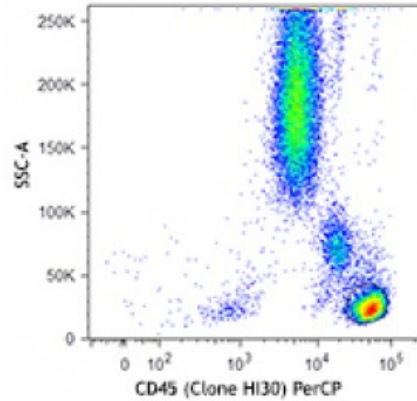


Anti-human CD3 FITC/CD4 PE/CD45 PerCP Cocktail

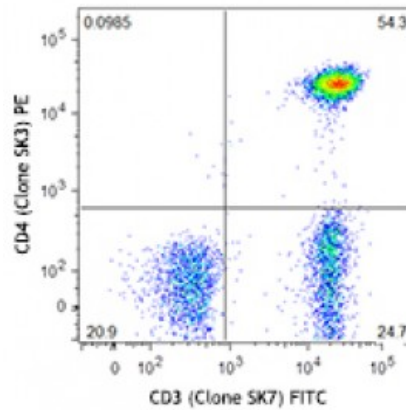
Catalog # / Size: 2441510 / 50 tests
Clone: SK7/SK3/HI30
Isotype: Mouse IgG1, κ
Reactivity: Human
Preparation: This reagent is a combination of FITC conjugated SK7, PE conjugated SK3, and PerCP conjugated HI30 at optimal concentration for three-color flow cytometric analysis.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD3 FITC/CD4 PE/CD45 PerCP cocktail. The top image shows SSC versus CD45⁺ profile ungated. The bottom image (CD3 versus CD4) image is gated on CD45⁺ lymphocytes as shown

Applications:

Applications: Flow Cytometry
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. 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: This cocktail has been optimized to be used in a lyse-wash and lyse-no wash assay.



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

Description: **CD3:** SK7 antibody reacts with a combinatorial epitope of CD3 ϵ , 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: SK3 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.
CD45: HI30 antibody reacts with CD45, a 180-240 kD single chain type I membrane glycoprotein which is also known as leukocyte common antigen (LCA) and T200. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets.

- Antigen**
- References:**
1. Kan EA, *et al.* 1983. *J. Immunol.* 131:536.
 2. Wood GS, *et al.* 1985. *Am. J. Pathol.* 120:371.
 3. van Dongen JJ, *et al.* 1988. *Blood* 71:603.
 4. Center D, *et al.* 1996. *Immun*