

## Technical Data Sheet

### Biotin Anti-Human CD4

**Catalog Number:** 108211, 108212

**Size:** 25 ug, 100 ug

**Target Name:** CD4, T4, Leu3a

**Regulatory Status:** RUO

#### Product Details

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**Clone:** RPA-T4

**Application:** FC

**Reactivity:** Human

**Format:** Biotin

**Isotype:** Mouse IgG1

**Antibody Type:** Monoclonal

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Protein Concentration:** 0.2 mg/mL

**Storage and Handling:** The antibody solution should be stored between 2°C and 8°C

**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.05 ug of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application

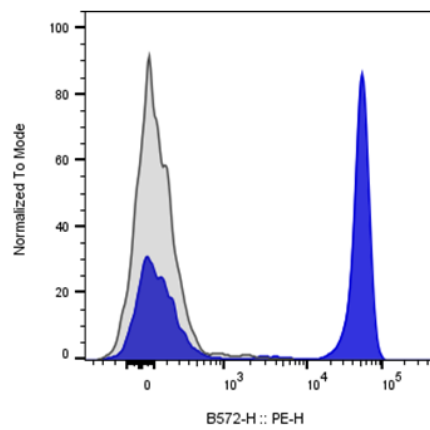
#### Background Information

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CD4 (cluster of differentiation 4) is a glycoprotein that serves as a co-receptor for the T-cell receptor (TCR). CD4 is found on the surface of immune cells such as helper T cells, monocytes, macrophages, and dendritic cells. CD4 is a member of the immunoglobulin superfamily. CD4+ T helper cells are white blood cells that are an essential part of the human immune system. They are often referred to as CD4 cells, T-helper cells or T4 cells.

#### Product Data

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Human peripheral blood lymphocytes stained either with biotinylated anti-human CD4 clone RPA-T4 (blue histogram) or an isotype control (gray histogram), followed by SA-PE.