

## Technical Data Sheet

### APC Anti-Human CD8a

**Catalog Number:** 108303, 108304

**Size:** 25 tests, 100 tests

**Target Name:** CD8, T8, Leu2

**Regulatory Status:** RUO

#### Product Details

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**Clone:** RPA-T8

**Application:** FC

**Reactivity:** Human

**Format:** APC

**Isotype:** Mouse IgG1

**Antibody Type:** Monoclonal

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA

**Protein Concentration:** Supplied at a lot-specific concentration.

**Storage&Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

**Recommended Usage:** For flow cytometric staining, it is recommended to use 5 uL 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.

**Excitation Laser:** Red Laser (633 nm)

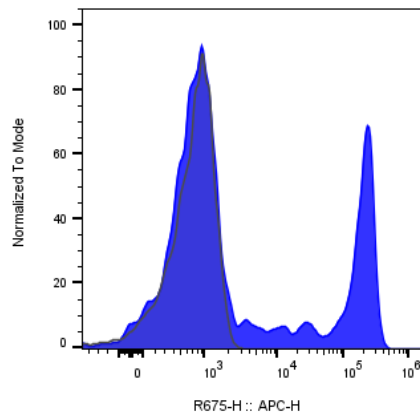
#### Background Information

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CD8 (cluster of differentiation 8) is a transmembrane glycoprotein that serves as a co-receptor for the T-cell receptor (TCR). Along with the TCR, the CD8 co-receptor plays a role in T cell signaling and aiding with cytotoxic T cell-antigen interactions. The CD8 co-receptor is predominantly expressed on the surface of cytotoxic T cells, but can also be found on natural killer cells, cortical thymocytes, and dendritic cells. The CD8 molecule is a marker for cytotoxic T cell population. It is expressed in T cell lymphoblastic lymphoma and hypo-pigmented mycosis fungoides.

#### Product Data

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Human peripheral blood lymphocytes stained either with APC Anti-human CD8a clone RPA-T8 (color-filled histogram) or an isotype control (gray histogram).