

Technical Data Sheet

iF647 Anti-Human CD8a

Catalog Number: 107907, 107908

Size: 25 tests, 100 tests

Target Name: CD8, T8, Leu2

Regulatory Status: RUO

Product Details

Clone: OKT8

Application: FC

Reactivity: Human

Format: iF647

Isotype: Mouse IgG2a

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

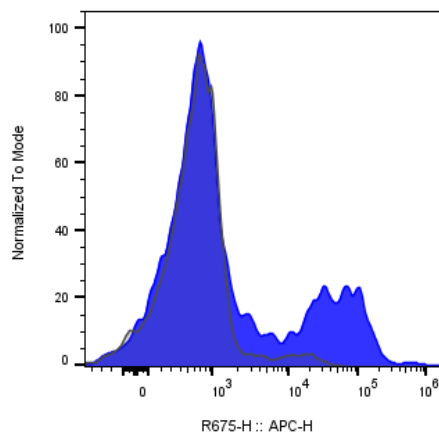
Recommended Usage: For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Red Laser (633 nm)

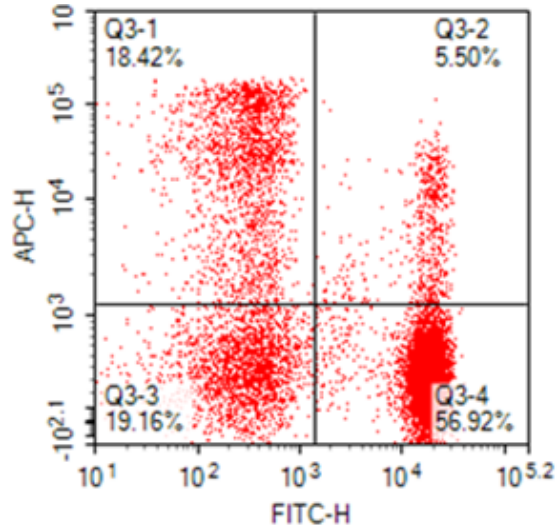
Background Information

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



Human peripheral blood lymphocytes stained with iF647 anti-human CD8 clone OKT8 (blue histogram) or an isotype control (gray histogram).



Human peripheral blood lymphocytes stained with iF488 anti-human CD4 clone OKT4-Rec and iF647 anti-human CD8a clone OKT8