

Technical Data Sheet

APC Anti-Mouse CD45

Catalog Number: 202207, 202208

Size: 25 tests, 100 tests

Target Name: CD45, Ly-5, LCA, T200

Regulatory Status: RUO

Product Details

Clone: 30-F11

Application: FC

Reactivity: Mouse

Format: APC

Isotype: Rat IgG2b

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 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.

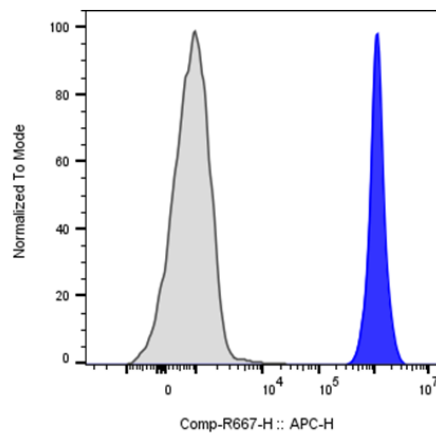
Excitation Laser: Red Laser (633 nm)

Release Date: Dec-25

Background Information

CD45 is a receptor-type protein tyrosine phosphatase expressed on the plasma membrane of all nucleated hematopoietic cells, excluding erythrocytes and platelets. It is a critical signaling molecule regulating immune cell activation, growth, differentiation, cell cycle, and oncogenic transformation. CD45 constitutes a large proportion of lymphocyte surface proteins (~10%) and is essential for T- and B-cell receptor-mediated activation.

Product Data



Mouse splenocytes were stained with APC Anti-Mouse CD45 clone 30-F11 (color-filled histogram) or an isotype control (gray histogram).