

Technical Data Sheet

APC Anti-Human TCR Vb5.2/5.3 Antibody

Catalog Number: 107603, 107604

Size: 25 tests, 100 tests

Target Name: TCR Vb5.2/5.3

Regulatory Status: RUO

Product Details

Clone: MH3-2

Application: Flow Cytometry

Reactivity: Human

Format: APC

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&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. APC has an excitation max at 650 nm and an emission max at 660 nm.

Excitation Laser: Red Laser (633 nm)

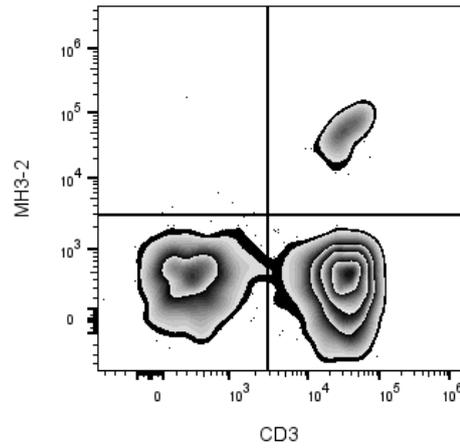
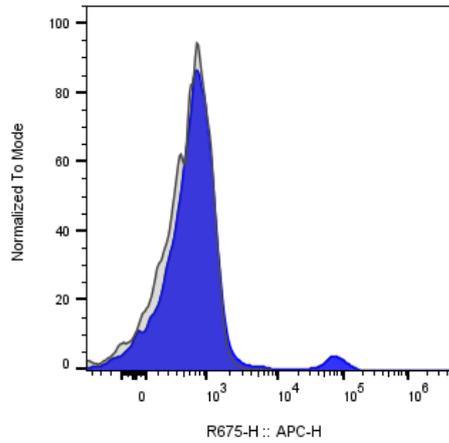
Release Date: Dec-25

Isotype Control: [301503](#)

Background Information

Vβ5 T cell receptor (TCR Vβ5) is a variant of the TCR β chain which is heterodimerized with TCR α chain and expressed on a subset of αβ+ T cells. TCR α/β recognizes peptides presented by the MHC molecules and initiates T cell mediated immune responses. Patients with multiple sclerosis present an expansion of Vβ5.2+/5.3+ autoreactive T cells.

Product Data



Human peripheral blood lymphocytes stained with FITC Anti-human CD3 and APC Anti-Human TCR Vb5.2/5.3 (TRbV28) clone MH3-2 (right panel). Human peripheral blood lymphocytes stained was stained with APC Anti-Human TCR Vb5.2/5.3 (TRbV28) clone MH3-2 (color-filled histogram, left panel) .