

Technical Data Sheet

PE Anti-Human TCR Vb5.2/5.3

Catalog Number: 107605, 107606

Size: 25 tests, 100 tests

Target Name: TCR Vb5.2/5.3

Regulatory Status: RUO

Product Details

Clone: MH3-2

Application: FC

Reactivity: Human

Format: PE

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 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.

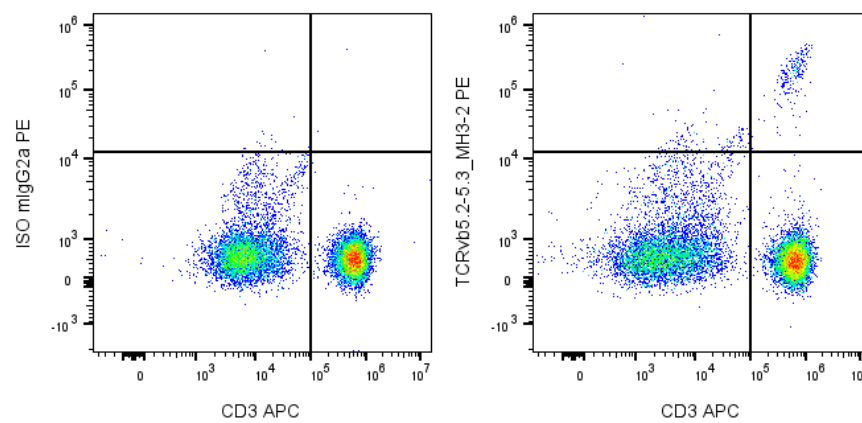
Excitation Laser: Blue Laser (488 nm) Green/Yellow laser (532/561nm)

Release Date: Dec-25

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 CD4+ T cells. TCR β5 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 APC Anti-human CD3 and either PE Anti-Human TCR Vb5.2/5.3 (TRbV28) clone MH3-2 (right panel) or an isotype control (left panel).