

## Technical Data Sheet

### Anti-Human TCR Vb5.2/5.3 Antibody

**Catalog Number:** 107601, 107602

**Size:** 100 ug, 500 ug

**Target Name:** TCR Vb5.2/5.3

**Regulatory Status:** RUO

#### Product Details

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**Clone:** MH3-2

**Application:** Flow Cytometry

**Reactivity:** Human

**Format:** Purified

**Isotype:** Mouse IgG2a

**Antibody Type:** Monoclonal

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Protein Concentration:** 0.5 mg/mL

**Storage and Handling:** The antibody solution should be stored between 2°C and 8°C

**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.2 µg 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.

**Isotype Control:** [301501](#)

#### Background Information

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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.