

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

|                           |                |
|---------------------------|----------------|
| <b>Catalog Number:</b>    | 107601, 107602 |
| <b>Size:</b>              | 100 ug, 500 ug |
| <b>Target Name:</b>       | TCR Vb5.2/5.3  |
| <b>Regulatory Status:</b> | RUO            |

### PRODUCT DETAILS

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| <b>Clone:</b>                 | MH3-2                                                                                                                                                                                                                              |
| <b>Application:</b>           | Flow Cytometry                                                                                                                                                                                                                     |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                                                              |
| <b>Format:</b>                | Purified                                                                                                                                                                                                                           |
| <b>Isotype:</b>               | Mouse IgG2a                                                                                                                                                                                                                        |
| <b>Antibody Type:</b>         | Monoclonal                                                                                                                                                                                                                         |
| <b>Formulation:</b>           | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide                                                                                                                                                                 |
| <b>Protein Concentration:</b> | 0.5 mg/mL                                                                                                                                                                                                                          |
| <b>Storage and Handling:</b>  | The antibody solution should be stored between 2°C and 8°C                                                                                                                                                                         |
| <b>Recommended Usage:</b>     | 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. |
| <b>Isotype Control:</b>       | 301501                                                                                                                                                                                                                             |
| <b>RRID:</b>                  | AB_3738786                                                                                                                                                                                                                         |

### 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.