

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

|                           |                     |
|---------------------------|---------------------|
| <b>Catalog Number:</b>    | 107603, 107604      |
| <b>Size:</b>              | 25 tests, 100 tests |
| <b>Target Name:</b>       | TCR Vb5.2/5.3       |
| <b>Regulatory Status:</b> | RUO                 |

### PRODUCT DETAILS

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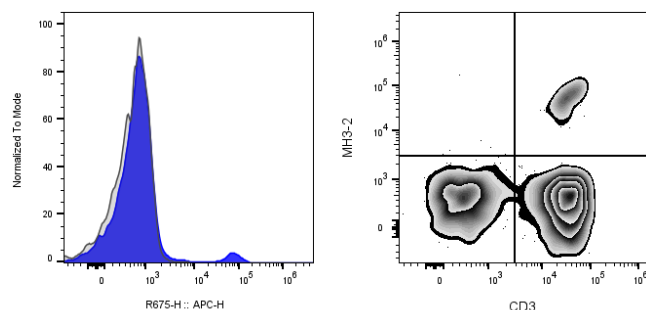
|                               |                                                                                                                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clone:</b>                 | MH3-2                                                                                                                                                                                                                                                                                     |
| <b>Application:</b>           | Flow Cytometry                                                                                                                                                                                                                                                                            |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                                                                                                                     |
| <b>Format:</b>                | APC                                                                                                                                                                                                                                                                                       |
| <b>Isotype:</b>               | Mouse IgG2a                                                                                                                                                                                                                                                                               |
| <b>Antibody Type:</b>         | Monoclonal                                                                                                                                                                                                                                                                                |
| <b>Formulation:</b>           | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA                                                                                                                                                                                                     |
| <b>Protein Concentration:</b> | Supplied at a lot-specific concentration.                                                                                                                                                                                                                                                 |
| <b>Storage&amp;Handling:</b>  | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.                                                                                                                                                      |
| <b>Recommended Usage:</b>     | 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. |
| <b>Excitation Laser:</b>      | Red Laser (633 nm)                                                                                                                                                                                                                                                                        |
| <b>Isotype Control:</b>       | 301503                                                                                                                                                                                                                                                                                    |

### 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.

## 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) .

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