

## 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

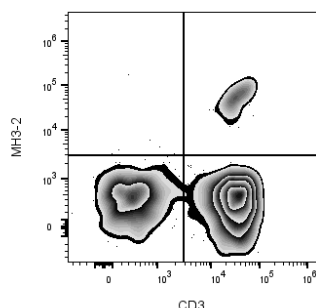
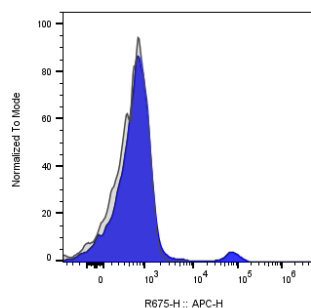
### BACKGROUND INFORMATION

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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

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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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