

## Purified Anti-Human TCRVγ9 Antibody[B3]

catalog number: **AN003570P**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

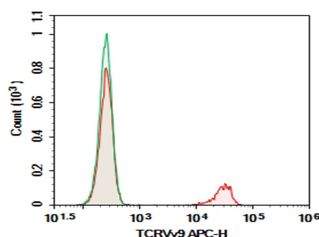
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human TCRVγ9 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, κ
<b>Clone</b>	B3
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

<b>FCM</b>	2 μg/mL ( $1 \times 10^5$ - $5 \times 10^5$ cells)
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### Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human TCRVγ9 Antibody[B3] (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

The Vγ9 TCR is a variant of the TCR γ chain expressed on a subset of γ/δ T cells. Vγ9Vδ2 T lymphocytes, a major γ/δ T cell subset in humans, recognize phosphoantigens, certain tumor cells, and cells treated with aminobisphosphonates. This cell population displays cytolytic activity against various tumor cells. The γ/δ TCR is a heterodimeric TCR complex composed of covalently bound γ and δ chains involved in antigen recognition and the non-covalently associated monomeric proteins CD3δ, γ, ε, and ζ chains. The B3 antibody reacts specifically with human TCR Vγ9 as designated by the Lefranc/Foster nomenclature system. Human TCR Vγ9 is also known as TCR Vγ2 under the Strauss, Quertermous nomenclature system. Several TCR γ and δ chain nomenclature systems exist. In order to consolidate the various nomenclature systems, we have created charts for corresponding names across some of the most popular naming methods.

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