

## Purified Anti-Human TCRV $\gamma$ 9 Antibody[B3]

catalog number: AN003570P

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

### Description

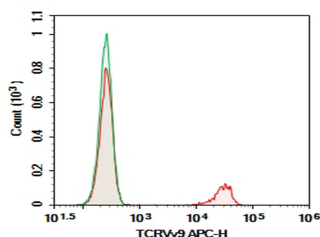
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human TCRV $\gamma$ 9 protein
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clone</b>	B3
<b>Purification</b>	>98%, Protein A/G purified
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

<b>FCM</b>	2 $\mu$ g/mL (0.5 $\times$ 10 <sup>6</sup> -1 $\times$ 10 <sup>6</sup> cells)
------------	-------------------------------------------------------------------------------

### Data



Human peripheral blood lymphocytes were stained with 0.2  $\mu$ g Purified Anti-Human TCRV $\gamma$ 9 Antibody[B3] (Right) and 0.2  $\mu$ g Mouse IgG1,  $\kappa$  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 V $\gamma$ 9 TCR is a variant of the TCR  $\gamma$  chain expressed on a subset of  $\gamma/\delta$  T cells. V $\gamma$ 9V $\delta$ 2 T lymphocytes, a major  $\gamma/\delta$  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  $\gamma/\delta$  TCR is a heterodimeric TCR complex composed of covalently bound  $\gamma$  and  $\delta$  chains involved in antigen recognition and the non-covalently associated monomeric proteins CD3 $\delta$ ,  $\gamma$ ,  $\epsilon$ , and  $\zeta$  chains. The B3 antibody reacts specifically with human TCR V $\gamma$ 9 as designated by the Lefranc/Foster nomenclature system. Human TCR V $\gamma$ 9 is also known as TCR V $\gamma$ 2 under the Strauss, Quertermous nomenclature system. Several TCR  $\gamma$  and  $\delta$  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

### For Research Use Only