



A Reliable Research Partner in Life Science and Medicine

## Purified Anti-Human TCRVy9 Antibody[B3]

catalog number: AN003570P

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

### **Description**

Reactivity Human

Immunogen Recombinant Human TCRVy9 protein

Host Mouse

**Isotype** Mouse IgG1, κ

Clone B3

**Purification** >98%, Protein A/G purified

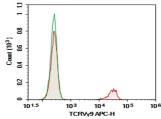
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

# Applications Recommended Dilution

### FCM $2 \mu g/mL(0.5 \times 10^6 - 1 \times 10^6 \text{ cells})$

#### 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**

Storage Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /

thaw cycles.

Shipping Ice bag

### **Background**

The Vho TCR is a variant of the TCR ho chain expressed on a subset of hoho T cells. Vho9Vho2 T lymphocytes, a major ho6 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 ho7 TCR is a heterodimeric TCR complex composed of covalently bound ho and ho chains involved in antigen recognition and the no n-covalently associated monomorphic proteins CD3ho, ho, ho, and ho chains. The B3 antibody reacts specifically with human TCR Vho9 as designated by the Lefranc/Foster nomenclature system. Human TCR Vho9 is also known as TCR Vho2 under the Strauss, Quertermous nomenclature system. Several TCR ho and ho 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