Purified Anti-Human TCRVγ9 Antibody[B3]

catalog number: AN003570P

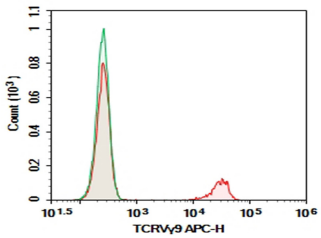
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human TCRVγ9 protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	B3
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
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 μg/mL(0.5×10^6-1×10^6 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 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 no n-covalently associated monomorphic 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