

Purified Anti-Human TCRV γ 9 Antibody[B3]

catalog number: AN003570P

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

Description

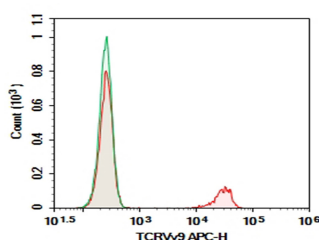
Reactivity	Human
Immunogen	Recombinant Human TCRV γ 9 protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	B3
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	$\leq 0.2 \mu\text{g}$ per million cells in 100 μL volume
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Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human TCRV γ 9 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 V γ 9 TCR is a variant of the TCR γ chain expressed on a subset of γ/δ T cells. V γ 9V δ 2 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 CD3 δ , η , ϵ , and ζ chains. The B3 antibody reacts specifically with human TCR V γ 9 as designated by the Lefranc/Foster nomenclature system. Human TCR V γ 9 is also known as TCR V γ 2 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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