

PE/Cyanine7 anti-human TCR Vγ9

Catalog # / Size: 2256600 / 100 tests
2256595 / 25 tests

Clone: B3

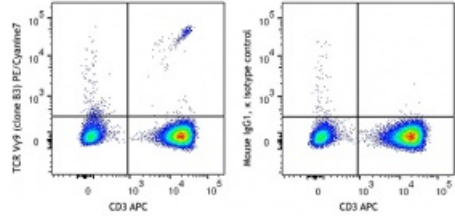
Isotype: Mouse IgG1, κ

Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions. The solution is free of unconjugated PE/Cyanine7 and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with CD3 (clone UCHT1) APC and anti-human TCR Vγ9 (clone B3) PE/Cyanine7 (left) or mouse IgG1, κ PE/Cyanine7 isotype control (right).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μl per million cells in 100 μl staining volume or 5 μl per 100 μl of whole blood.

- Application References:**
1. Van Rhijn I, *et al.* 2003. *Intl. Immunol.* 15:373.
 2. Yoshino N, *et al.* 2000. *Exp. Anim. (Tokyo)* 49:97. (FC)

Description: The Vγ9 TCR is a variant of the TCR γ chain expressed on a subset of γδ T cells. Vγ9Vδ2 T lymphocytes, a major γδ 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 γδ 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.

- Antigen References:**
1. Scotet E, *et al.* 2005. *Immunity* 22:71
 2. Rincon-Orozco B, *et al.* 2005. *J. Immunol.* 175:2144