SONY

Product Data Sheet

FITC anti-human TCR Vγ9

Catalog # / Size: 2256530 / 100 tests
2256525 / 25 tests

Clone: B3

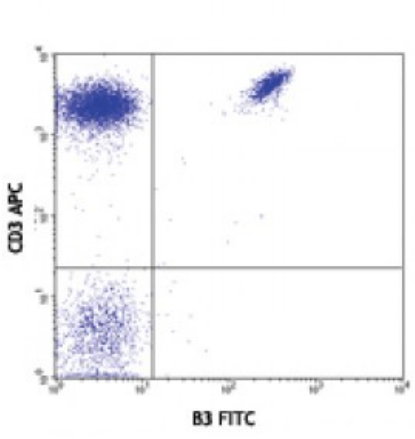
Isotype: Mouse IgG1, κ

Reactivity: Human

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

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 stained with CD3 APC and B3 FITC

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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 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 non-covalently associated monomorphic 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

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