SONY

Product Data Sheet

PE/Cyanine7 anti-human TCR Vγ9

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

Clone: B3

Isotype: Mouse IgG1, κ

Immunogen: Phycoerythrin

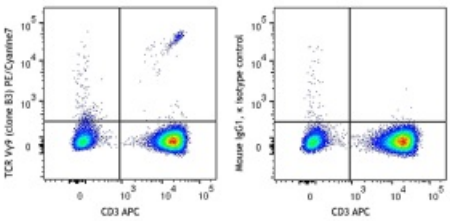
Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.

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

Workshop Number: HCDM listed

Concentration: Lot-specific



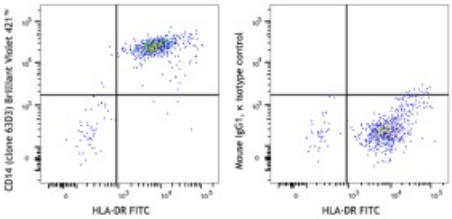
Human peripheral blood lymphocytes were stained with CD3 (clone UCHT1) APC and anti-human TCR Vγ9 (clone B3) PE/Cyanine7 (left) or mouse IgG1, κ PE/Cyanine7 isotype control (right).

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 Notes: Due to complete conservation of the immunizing sequence between humans, mouse and rat, this clone is is predicted to react with rat RPS6 phosphorylated at serines 235 and 236.



Human peripheral blood monocytes were stained with HLA-DR FITC and Brilliant Violet 421™ anti-human CD14 (clone 63D3) (left) or Brilliant Violet 421™ mouse IgG1, κ isotype control (right).

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.

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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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