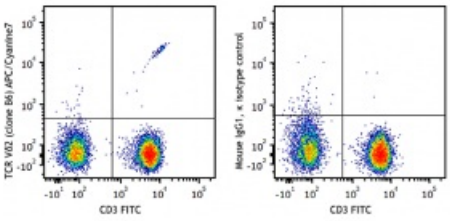
SONY

Product Data Sheet

APC/Cyanine7 anti-human TCR Vδ2

Catalog # / Size:	2257195 / 25 tests 2257200 / 100 tests
Clone:	B6
Isotype:	Mouse IgG1, κ
Reactivity:	Human, Non-human primate, Other
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Cyanine7 under optimal conditions.
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 mononuclear cells were stained with CD3 FITC and TCR Vδ2 (clone B6) APC/Cyanine7 (left) or mouse IgG1, κ APC/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. It is recommended that the reagent be titrated for optimal performance for each application.
Application References:	1. Rojas RE, *et al.* 2005. *J. Infect. Dis.* 192:1806. 2. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) PubMed

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Description:	The Vδ2 TCR is a variant of the TCR δ 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 an 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.