SONY

Product Data Sheet

APC/Fire™ 750 anti-human TCR Vδ2

Catalog # / Size: 2257095 / 25 tests
2257100 / 100 tests

Clone: B6

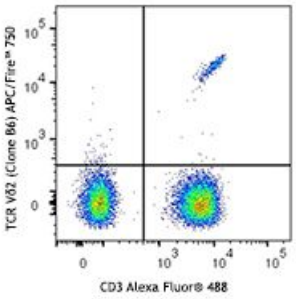
Isotype: Mouse IgG1, κ

Reactivity: Human, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 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



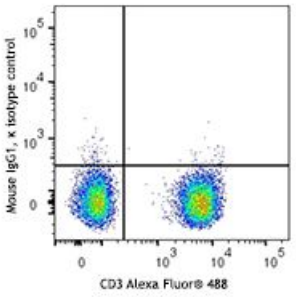
Human peripheral blood lymphocytes were stained with CD3 Alexa Fluor® 488 and TCR Vδ2 (clone B6) APC/Fire™ 750 (top) or mouse IgG1, κ APC/Fire™ 750 isotype control (bottom).

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.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.



Application References:
1. Rojas RE, *et al.* 2005. *J. Infect. Dis.* 192:1806.
2. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) PubMed

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.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.
Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com