

Brilliant Violet 510™ anti-human TCR V62

Catalog # / 2257155 / 25 tests
Size: 2257160 / 100 tests

Clone: B6

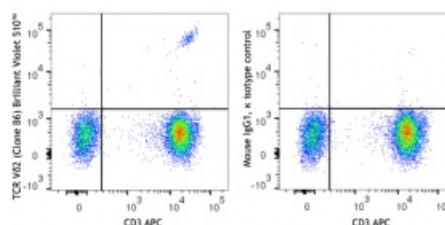
Isotype: Mouse IgG1, κ

Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 510™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 510™ and unconjugated antibody.

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

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with CD3 APC and TCR V62 (clone B6) Brilliant Violet 510™ (left) or mouse IgG1, κ Brilliant Violet 510™ 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.

Brilliant Violet 510™ excites at 405 nm and emits at 510 nm. The bandpass filter 780/60 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 510™ is a trademark of Sirigen Group Ltd.

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

Description: The V62 TCR is a variant of the TCR δ chain expressed on a subset of γ/δ T cells. V γ 9V62 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 CD3 δ , γ , ϵ , and ζ chains.

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