

Brilliant Violet 605™ anti-human TCR V β 2

Catalog # / 2257150 / 100 tests
Size: 2257145 / 25 tests

Clone: B6

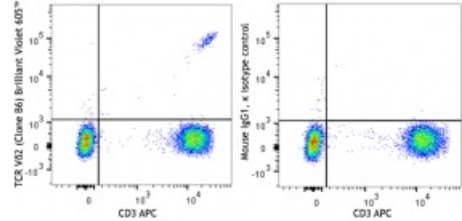
Isotype: Mouse IgG1, κ

Reactivity: Human, Non-human primate, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 605™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 605™ 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 V β 2 (clone B6) Brilliant Violet 605™ (left) or mouse IgG1

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 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Brilliant Violet 605™ excites at 405 nm and emits at 603 nm. The bandpass filter 610/20 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 605™ 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 V δ 2 TCR is a variant of the TCR δ chain expressed on a subset of γ/δ T cells. V γ 9V δ 2 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.