

APC anti-human TCR V δ 2 Antibody

Catalog# / Size	331417 / 25 tests 331418 / 100 tests
Clone	B6
Regulatory Status	RUO
Other Names	T cell receptor V δ 2
Isotype	Mouse IgG1, κ
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 a 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.

Product Details

Verified Reactivity	Human
Reported Reactivity	Chimpanzee, Rhesus
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
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.
Excitation Laser	Red Laser (633 nm)
Application References	<ol style="list-style-type: none">1. Rojas RE, <i>et al.</i> 2005. <i>J. Infect. Dis.</i> 192:1806.2. Correia DV, <i>et al.</i> 2011. <i>Blood</i> 118:992. (FC) PubMed
Product Citations	<ol style="list-style-type: none">1. Beatson RE, <i>et al.</i> 2021. <i>Cell Rep Med.</i> 2:100473. PubMed2. Li YR, <i>et al.</i> 2021. <i>Cell Rep Med.</i> 2:100449. PubMed3. Kaito Y, <i>et al.</i> 2022. <i>Oncol Lett.</i> 23:51. PubMed
RRID	AB_2687323 (BioLegend Cat. No. 331417) AB_2687324 (BioLegend Cat. No. 331418)

Antigen Details

Structure	Ig superfamily member, TCR γ/δ with CD3 forms the CD3/TCR complex
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Distribution	Expressed on majority of peripheral γ/δ T cells
Function	Antigen recognition, T cell activation
Ligand/Receptor	Peptide bound to MHC
Cell Type	T cells
Biology Area	Adaptive Immunity, Immunology
Molecular Family	TCRs
Antigen References	1. Scotet E, <i>et al.</i> 2005. <i>Immunity</i> 22:71. 2. Rincon-Orozco B, <i>et al.</i> 2005. <i>J. Immunol.</i> 175:2144.
Gene ID	6964

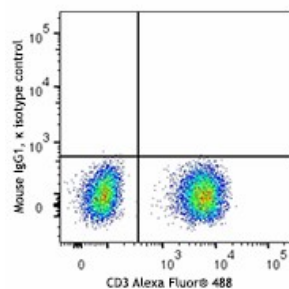
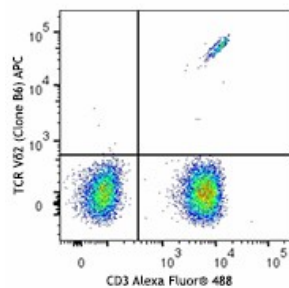
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human TCR V δ 2, Biotin anti-human TCR V δ 2, FITC anti-human TCR V δ 2, PE anti-human TCR V δ 2, PerCP anti-human TCR V δ 2, Brilliant Violet 711™ anti-human TCR V δ 2, Pacific Blue™ anti-human TCR V δ 2, Alexa Fluor® 700 anti-human TCR V δ 2, PerCP/Cyanine5.5 anti-human TCR V δ 2, APC anti-human TCR V δ 2, PE/Cyanine7 anti-human TCR V δ 2, APC/Fire™ 750 anti-human TCR V δ 2, Brilliant Violet 421™ anti-human TCR V δ 2, Brilliant Violet 605™ anti-human TCR V δ 2, PE/Dazzle™ 594 anti-human TCR V δ 2, Brilliant Violet 510™ anti-human TCR V δ 2, TotalSeq™-A0582 anti-human TCR V δ 2, TotalSeq™-C0582 anti-human TCR V δ 2, TotalSeq™-B0582 anti-human TCR V δ 2, APC/Cyanine7 anti-human TCR V δ 2

Product Data



Human peripheral blood lymphocytes were stained with CD3 Alexa Fluor® 488 and TCR V δ 2 (clone B6) APC (top) or mouse IgG1, κ APC isotype control (bottom).

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