

PerCP anti-human TCR Vδ2 Antibody

Catalog# / Size	331410 / 100 tests
Clone	B6
Regulatory Status	RUO
Other Names	T cell receptor V δ 2
Isotype	Mouse IgG1, κ
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.

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 PerCP 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 μl per million cells in 100 μl staining volume or 5 μl per 100 μl of whole blood. * PerCP has a maximum absorption of 482 nm and a maximum emission of 675 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](#)

Product Citations

1. Mayassi T, *et al.* 2019. *Cell.* 176:967. [PubMed](#)
2. Marco Barros R, *et al.* 2016. *Cell.* 167: 203-218. [PubMed](#)
3. Ogishi M, *et al.* 2022. *J Exp Med.* 219:. [PubMed](#)
4. Seki D, *et al.* 2021. *Cell Host Microbe.* :. [PubMed](#)
5. Xia Y, *et al.* 2019. *Gastroenterol Res Pract.* 2019:5436961. [PubMed](#)
6. Fazio J, *et al.* 2013. *Clin Immunol.* 149:65. [PubMed](#)
7. Moulin M, *et al.* 2017. *Cell Mol Life Sci.* 10.1007/s00018-017-2583-0. [PubMed](#)
8. Li P, *et al.* 2022. *Front Oncol.* 12:917400. [PubMed](#)
9. de Bruin RC, *et al.* 2017. *J Immunol.* 198:308. [PubMed](#)
10. Wang X, *et al.* 2020. *Exp Ther Med.* 19:3698. [PubMed](#)
11. Bruin R, *et al.* 2016. *Clin Immunol.* 169:128-38. [PubMed](#)
12. Tsai C, *et al.* 2015. *J Immunol.* 194:3890. [PubMed](#)

RRID AB_1877263 (BioLegend Cat. No. 331410)

Antigen Details

Structure	Ig superfamily member, TCR γ/δ with CD3 forms the CD3/TCR complex
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

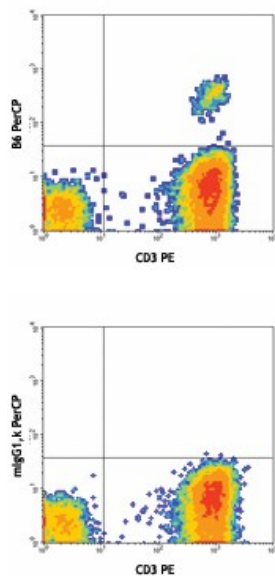
Related Protocols

[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 stained with CD3 PE and B6 PerCP (top) or mouse IgG1, κ isotype control PerCP (bottom).

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587