

Monoclonal Antibody to T Cell Receptor (TCR) Vb 5.1 - Phyco

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| Alternate names: | TCR V beta-5.1, TCR Vb5.1 |
| Catalog No.: | AM05103RP-N |
| Quantity: | 50 Tests |
| Concentration: | 4,0 µg/ml |
| Host / Isotype: | Mouse / IgG2a |
| Clone: | Immu157 |
| Immunogen: | Murine T-cell hybridoma transfected with human V beta 5.1 gene segment |
| Format: | State: Liquid purified Ig Buffer System: PBS containing 2mg/ml BSA and 0,09% sodium azide Label: Phyco – Phycoerythrin |
| Applications: | Flow cytometry: 20µl/5 x 10e5 cells/test or 100µl whole blood. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | This antibody reacts to variable beta 5.1 chain of the T-cell receptor (TCR), also called TCRBV5S1 according to the nomenclature of Wei, et al. This antibody recognizes the HBP51 sequence of the multimembered V beta 5 subfamily. It does not recognize V beta 5.2 (PL2.5 sequence) and V beta 5.3 (12A1 sequence). The specificity of this antibody has been confirmed at the First Human TcR Monoclonal Antibody Workshop in San Francisco in 1995. Species: Human. Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch. |
| General Readings: | 1. Wei S, Charmley P, Robinson MA, Concannon P. The extent of the human germline T-cell receptor V beta gene segment repertoire. Immunogenetics. 1994;40(1):27-36. PubMed PMID: 8206523. 2. Kimura N, Toyonaga B, Yoshikai Y, Triebel F, Debre P, Minden MD, et al. Sequences and diversity of human T cell receptor beta chain variable region genes. J Exp Med. 1986 Sep 1;164(3):739-50. PubMed PMID: 3755748. 3. Concannon, P., et al., Diversity and structure of human T-cell receptor beta chain variable region genes, 1986, Proc. Natl. Acad. Sci., USA, 83, 6598 - 6602. 4. Leiden, J.M., et al., Generation of diversity of the beta chain of the human T lymphocyte receptor for antigen, Proc. Natl. Acad. Sci., USA, 83, 4456 - 4460. 5. Posnett, D.N., et al., First Human TcR Monoclonal Antibody Workshop, 1996, The Immunologist, 4, (1), 5 - 8. |