

Monoclonal Antibody to T Cell Receptor (TCR) Vb 7 - Phyco

Alternate names:	TCR V beta-7, TCR Vb7
Catalog No.:	AM05105RP-N
Quantity:	50 Tests
Concentration:	12.5 µg/ml
Host / Isotype:	Mouse / IgG2a
Clone:	ZOE
Immunogen:	Murine T-cell hybridoma transfected with V beta 7 gene segment
Format:	State: Liquid purified Ig Buffer System: PBS containing 2mg/ml BSA and 0,09% sodium azide Label: Phyco – Phycoerythrin
Applications:	T-cell repertoire studies. 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 7 chain of the T-cell receptor also called TCRBV7S1 according to the nomenclature from Wei et al. The ZOE antibody recognizes V beta 7.1 (PL4.9 sequence). The reactivity on the other members V beta 7.2 and V beta 7.3 cannot be formally excluded. Species: Human. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody 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. Concannon P, Pickering LA, Kung P, Hood L. Diversity and structure of human T-cell receptor beta-chain variable region genes. Proc Natl Acad Sci U S A. 1986 Sep;83(17):6598-602. PubMed PMID: 3489234. 3. Zhao TM, Whitaker SE, Robinson MA. A genetically determined insertion/deletion related polymorphism in human T cell receptor beta chain (TCRB) includes functional variable gene segments. J Exp Med. 1994 Oct 1;180(4):1405-14. PubMed PMID: 7931073.