

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

<b>Alternate names:</b>	TCR V beta-7, TCR Vb7
<b>Catalog No.:</b>	AM05105PU-N
<b>Quantity:</b>	0.1 mg
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	ZOE
<b>Immunogen:</b>	Murine T-cell hybridoma transfected with V-beta-7 gene segment
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig <b>Buffer System:</b> PBS containing 1mg/ml BSA <b>Reconstitution:</b> Restore with 0.5ml of distilled water.
<b>Applications:</b>	<b>Flow Cytometry:</b> 2µg / 5 x 10 <sup>5</sup> cells/test. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts to variable beta-7 chain of the T-cell receptor also called TCRBV7S1 according to the nomenclature of 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. On the average, this antibody stains 1.9% (sd=0.5) of peripheral CD3-positive lymphocytes from 20 healthy donors. <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody at -20°C. The addition of 0.1% (w/v) sodium azide is recommended for storage of the reconstituted form for up to one month at 2 - 8°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	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

