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AM05105PU-N

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

Alternate names: TCR V beta-7, TCR Vb7

Catalog No.: AM05105PU-N

Quantity: 0.1 mg

Host / Isotype: Mouse / IgG2a Recommended AM03096PU-N Isotype Controls:

Clone: ZOE

Immunogen: Murine T-cell hybridoma transfected with V-beta-7 gene segment

Format: State: Lyophilized purified Ig

Buffer System: PBS containing 1mg/ml BSA

Reconstitution: Restore with 0.5ml of distilled water.

Applications: Flow Cytometry: 2µg / 5 x 10e5 cells/test.

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 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.

Species: Human.

Other species not tested.

Storage: 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.

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

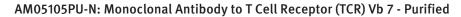
For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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segments. J Exp Med. 1994 Oct 1;180(4):1405-14. PubMed PMID: 7931073.