

# Mouse V $\gamma$ 3 (TCR) Antibody

## Biotin Conjugate

## Monoclonal Antibody

### Product Information

**Product No.:** T134

**Clone:** 536

**RRID:** AB\_2894343

**Isotype:** Syrian Hamster IgG

**Storage:** Sterile 2° to 8°C

### Product Description

#### Specificity:

Anti-Mouse V $\gamma$  3 TCR antibody recognizes an epitope of the variable region (V $\gamma$  3) gene product. Antibody from clone 536 immunoprecipitates the TCR heterodimer with two subunits of apparent molecular mass of 52 and 42 kDa.

#### Antigen Distribution:

The antibody 536 stained less than 1% of cells in adult thymus (AKR), splenocytes, lymph node, adult CD4-8- thymocytes, and adult CD4-8-, T splenocyte. 92% of day 14 old BALB/C fetal thymus, 86% of C57BL/6 dEC (Thy-1+) and 94% of AKR dEC (Thy-1+) stained positive using this antibody.

#### Background:

The T cell receptor or TCR is a molecule found on the surface of T lymphocytes that is responsible for recognizing antigens bound to major histocompatibility complex (MHC) molecules. It is a heterodimer consisting of an  $\alpha$  and  $\beta$  chain in 95% of T cells, while 5% of T cells have TCRs consisting of  $\gamma$  and  $\delta$  chains. Engagement of the TCR with antigen and MHC results in activation of its T lymphocyte through a series of biochemical events mediated by associated enzymes, co-receptors and specialized accessory molecules.

#### Known Reactivity Species:

Mouse

#### Format:

Biotin

#### Immunogen:

AKR mouse dendritic epidermal cell clone 7-17

#### Formulation

This biotinylated antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

#### Storage and Stability

This biotinylated antibody is stable when stored at 2-8°C. **Do not freeze.**

#### Country of Origin

USA

#### References

- 1) Havran, et al. (1989) Pro. Natl. Acad. Sci. USA 86:4185

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

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