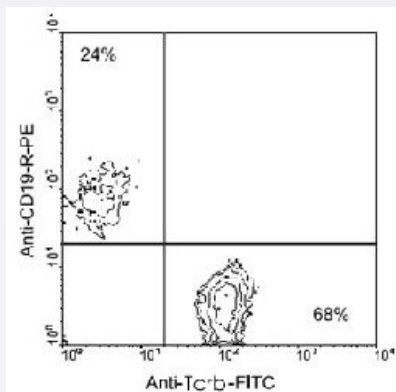


# Tcrb monoclonal antibody, clone H57-597 (PE)

Catalog # MAB5765      Size 100 ug

## Applications



### Flow Cytometry

BALB/c splenocytes were double-stained with Tcrb monoclonal antibody, clone H57-597 (FITC) (Cat # MAB5763) and Cd19 monoclonal antibody, clone 6D5 (PE) (Cat # MAB5689), gated on small lymphocytes and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

## Specification

Product Description	Hamster monoclonal antibody raised against native Tcrb.
Immunogen	Native purified mouse Tcrb.
Host	Hamster
Reactivity	Mouse
Specificity	Common epitope of the beta chain of the mouse alphabeta T cell receptor (TCR) complex.
Form	Liquid
Conjugation	PE
Isotype	IgG
Recommend Usage	Flow Cytometry (0.2 ug/10 <sup>6</sup> cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

**Storage Instruction**

Store in the dark at 4°C. Do not freeze.  
Avoid prolonged exposure to light.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Flow Cytometry

BALB/c splenocytes were double-stained with Tcrb monoclonal antibody, clone H57-597 (FITC) (Cat # MAB5763) and Cd19 monoclonal antibody, clone 6D5 (PE) (Cat # MAB5689), gated on small lymphocytes and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

## Gene Info — Tcrb

**Entrez GeneID**[21577](#)**Gene Name**

Tcrb

**Gene Alias**

Tib

**Gene Description**

T-cell receptor beta chain

**Gene Ontology**[Hyperlink](#)**Other Designations**

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## Publication Reference

- [Failure of T cell receptor V beta negative selection in murine intestinal intra-epithelial lymphocytes.](#)

S Murosaki, Y Yoshikai, A Ishida, T Nakamura, G Matsuzaki, H Takimoto, H Yuuki, K Nomoto.

International Immunology 1991 Oct; 3(10):1005.

Application: Flow Cyt, Mouse, Mouse intestinal intra-epithelial lymphocytes

- [In vivo administration of monoclonal antibodies to the CD3 T cell receptor complex induces cell death \(apoptosis\) in immature thymocytes.](#)

Shi YF, Bissonnette RP, Parfrey N, Szalay M, Kubo RT, Green DR.

Journal of Immunology 1991 May; 146(10):3340.

- [Transport and secretion of truncated T cell receptor beta-chain occurs in the absence of association with CD3.](#)

Gascoigne NR.

The Journal of Biological Chemistry 1990 Jun; 265(16):9296.