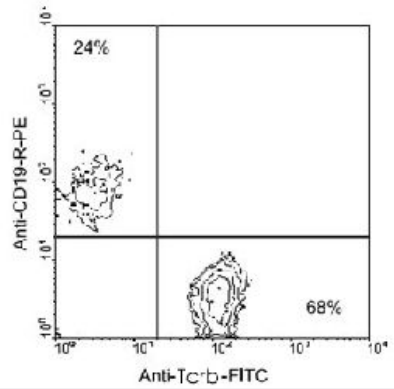
Tcrb monoclonal antibody, clone H57-597 (FITC)

Catalog # MAB5763 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	FITC
Isotype	IgG
Recommend Usage	Flow Cytometry (2 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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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 shoul d 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	-

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

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- 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.

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