

Anti-Mouse TCR beta (H57-597)

Catalog Number: 65106-1-Ig

Basic Information

Catalog Number:

65106-1-Ig

Size:

100ug, 0.5 mg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

21577

Full Name:

T-cell receptor beta chain

Purification Method:

Affinity purification

CloneNo.:

H57-597

Applications

Tested Applications:

FC

Species Specificity:

Mouse

Background Information

T-cell receptor (TCR) consists of heterodimeric glycoproteins (TCR alpha/beta or gamma/delta) that demonstrate homology with immunoglobulins (PMID: 2144901). TCR beta is a member of the immunoglobulin superfamily and is expressed on alpha/beta TCR-bearing T cells and thymocytes. The TCR heterodimers are noncovalently associated with CD3. The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta (PMID: 1826255). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657).

Storage

Storage:

Store at 2-8°C.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide, pH 7.2.

For technical support and original validation data for this product please contact:

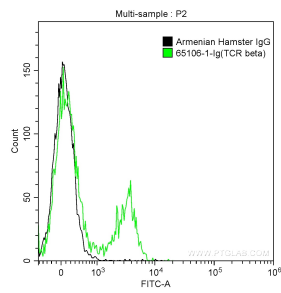
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

W: ptglab.com

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Selected Validation Data



1X10⁶ mouse splenocytes were surface stained with 0.5 ug Anti-Mouse TCR beta (65106-1-Ig, Clone:H57-597) and FITC Goat anti-hamster (Armenian) IgG Antibody at dilution 1:200 (green), or stained with 0.5 ug isotype control antibody and FITC Goat anti-hamster (Armenian) IgG Antibody at dilution 1:200 (black). Cells were not fixed.