

For Research Use Only

FITC Anti-Mouse TCR Beta (H57-597)

Catalog Number: FITC-65106



Basic Information

Catalog Number:

FITC-65106

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

Excitation/Emission maxima
wavelengths:

494 nm / 520 nm

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. Avoid exposure to light.

Storage Buffer:

Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

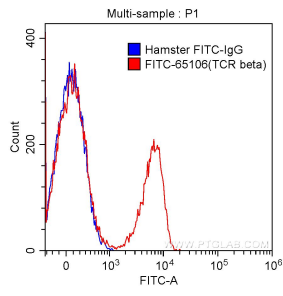
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.25 ug FITC-Anti-Mouse TCR beta (FITC-65106, clone H57-597) (red) or 0.25 ug FITC-Armenian Hamster IgG isotype control (blue). Cells were not fixed.