

For Research Use Only

# CoraLite® Plus 647 Anti-Mouse TCR Beta (H57-597)



Catalog Number: CL647-65106

## Basic Information

<b>Catalog Number:</b> CL647-65106	<b>GenBank Accession Number:</b> GeneID (NCBI): 21577	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>Full Name:</b> T-cell receptor beta chain	<b>CloneNo.:</b> H57-597
<b>Source:</b> Armenian Hamster		<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG		

## 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

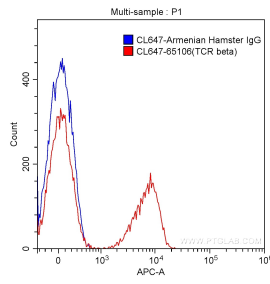
**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

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



1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface stained with 0.125 ug CoraLite® Plus 647-conjugated Anti-Mouse TCR beta (CL647-65106, Clone: H57-597) (red) or 0.125 ug isotype control (blue). Cells were not fixed.