

For Research Use Only

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



Catalog Number: CL647-65106

Basic Information

Catalog Number:

CL647-65106

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:

654 nm / 674 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. 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:

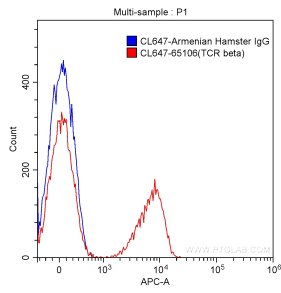
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 C57BL/6 mouse splenocytes were surface stained with 0.125 μ g CoraLite® Plus 647-conjugated Anti-Mouse TCR beta (CL647-65106, Clone: H57-597) (red) or 0.125 μ g isotype control (blue). Cells were not fixed.