

For Research Use Only

CoraLite® Plus 488 Anti-Mouse TCR Beta (H57-597)



Catalog Number: CL488-65106

Basic Information

Catalog Number: CL488-65106	GenBank Accession Number: GeneID (NCBI): 21577	Purification Method: Affinity purification
Size: 100ug, 0.5 mg/ml	Full Name: T-cell receptor beta chain	CloneNo.: H57-597
Source: Armenian Hamster		Recommended Dilutions: IF 1:150-1:600
Isotype: IgG		Excitation/Emission maxima wavelengths: 493 nm / 522 nm

Applications

Tested Applications: FC, IF/ICC	Positive Controls: IF : mouse splenocytes,
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:

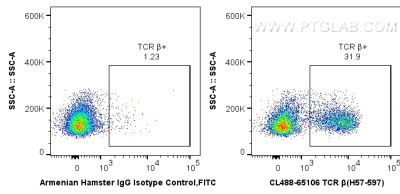
T: 4006900926

E: Proteintech-CN@ptglab.com

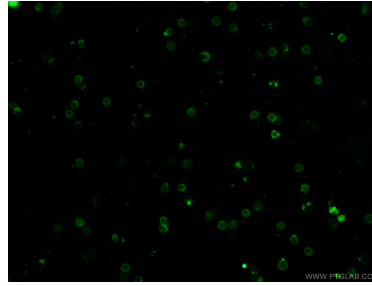
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 488 Anti-Mouse TCR Beta (CL488-65106, Clone: H57-597) or 0.25 ug CoraLite® Plus 488 Armenian Hamster IgG Isotype Control (PIP) (CL488-65210, Clone: PIP). Cells were not fixed.



Immunofluorescent analysis of mouse splenocytes using CoraLite® Plus 488-conjugated Anti-Mouse TCR beta (CL488-65106, Clone: H57-597) at dilution of 1:300.