For Research Use Only

Anti-Mouse TCR beta (H57-597) Human Recombinant Antibody

Catalog Number:Fc65678-2-HR

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Basic Information

Catalog Number:
Fc65678-2-HR

Size:
100ug , 1000 µg/ml

Source:
Human

Isotype:
IgG1

GenBank Accession Number:

GeneID (NCBI):
21577

Full Name:
T-cell receptor beta chain

Purification Method:
Protein A purification

CloneNo.:
H57-597

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

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).

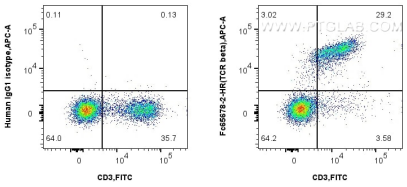
Storage

Storage:
Store at 2-8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

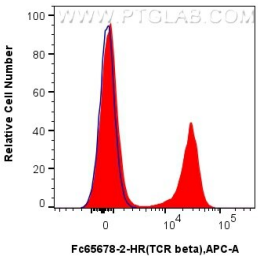
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse TCR beta (H57-597) Human RecAb (Fc65678-2-HR, Clone: H57-597) or 0.25 ug Human IgG1 isotype control, and CoraLite ® Plus 647-Anti-Human IgG antibody. Cells were then stained with FITC Plus Anti-Mouse CD3 (17A2) (FITC-65077, Clone: 17A2). Cells were not fixed.



1x10^6 mouse splenocytes were surface stained with 0.25 ug Anti-Mouse TCR beta (H57-597) Human RecAb (Fc65678-2-HR, Clone: H57-597) (red) or 0.25 ug Human IgG1 isotype control (blue), and CoraLite ® Plus 647-Anti-Human IgG antibody. Cells were not fixed.