

Anti-Mouse TCR β -169Tm

Catalog #: 3169002B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Cross Reactivity: Mouse

Clone: H57-597

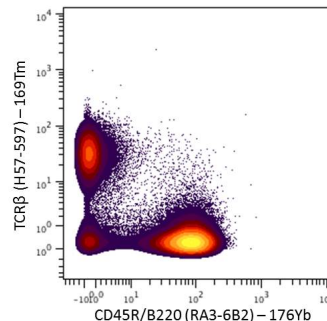
Isotype: Hamster IgG

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 μ l for up to 3×10^6 live cells in 100 μ l. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse splenocytes stained with 176Yb-anti-CD45R/B220 (RA3-6B2) and 169Tm-anti-TCR β (H57-597).

Description

TCR β , together with TCR α , forms the heterodimeric T cell receptor (TCR) present on the surface of the majority of T cells and thymocytes. On the remaining 5% of T cells, the α/β TCR is absent, and instead replaced by two alternate chains (TCR γ/δ). The complex of CD3 and TCR plays a key role in antigen recognition through binding to the major histocompatibility complex (MHC), resulting in T cell activation.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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