Anti-Mouse CD127/IL7Ra-175Lu

Catalog: 3175006B
Clone: A7R34
Package Size: 100 tests
Isotype: Rat IgG2a
Storage: Store product at 4°C. Do not freeze.
Reactivity: Mouse,
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 µl for up to 3 x 10^6 live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

CD127 (IL-7Rα) is a 75-80 kDa type I glycoprotein that combines with CD132 (common γ chain) to form a receptor for the multifunctional cytokine IL-7. CD127 is expressed at various stages during B and T cell development and the majority of resting peripheral T cells. Furthermore, CD127 is expressed at reduced levels on regulatory T (Treg) cells, and enables identification of the most highly-suppressive CD4+ CD25+ Foxp3+ CD127lo Tregs. IL-7 is indispensable for lymphocyte development, homeostatic proliferation of peripheral T-cells and the regulation of T cell receptor (TCR) rearrangement in gamma delta T cells.

References


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