Anti-Human/Mouse RORγ-168Er

Catalog: 3168018B  
Clone: 600214  
Package size: 100 tests  
Isotype: Mouse IgG2b  
Storage: Store product at 4 °C. Do not freeze.  
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.

Human PBMCs were fixed, permeabilized and stained with 174Yb-anti-CD4 (SK3) and 168Er-anti-RORγ (600214). CD3+ cells are displayed in the analysis.

Description

RORγ (retinoid-related orphan receptor gamma), also known as RORC and NR1F3, is a member of the nuclear hormone receptor family, NR1 subfamily. It is a DNA binding transcription factor and plays a critical role in control of apoptosis during thymopoiesis and T cell homeostasis. RORγ has two splice forms, γ1 and γ2 (also referred to as RORγt). RORγ1 is highly expressed in thymus, kidney, liver, muscle and brown fat but not in white fat tissue. RORγt is expressed specifically in cells of the lymphoid compartment, namely CD4+CD8+ “double-positive” thymocytes, Th17 cells of the periphery and lymphoid tissue inducer (LTI) cells of lymphoid organs.

References


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