Human/Mouse RORγt/RORC2/NR1F3 PE-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 600380

Catalog Number: IC6006P

100 TESTS, 25 TESTS

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse RORγt/RORC2 in direct ELISAs. In direct ELISAs, no cross-reactivity with human and mouse RORC.
Source	Monoclonal Mouse IgG_{2B} Clone # 600380
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human RORγt peptide Met1-Arg10 Accession # P51449
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

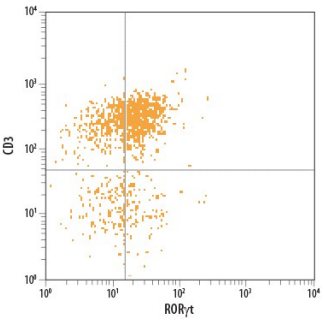
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 µL/10^6 cells	See Below

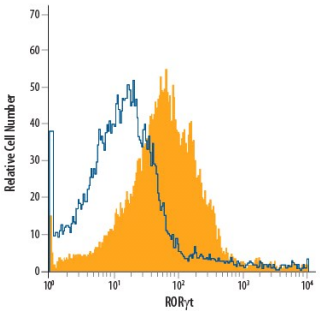
DATA

Intracellular Staining by Flow Cytometry



Detection of RORγt/RORC2/NR1F3 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) treated with PMA, Calcium Ionomycin, LPS, and Recombinant Human IL-23 (Catalog # 1290-IL) were stained with Mouse Anti-Human/Mouse RORγt/RORC2/NR1F3 PE-conjugated Monoclonal Antibody (Catalog # IC6006P) and Mouse Anti-Human CD3ε APC-conjugated Monoclonal Antibody (Catalog # FAB100A). Quadrant markers were set based on control antibody staining (Catalog # IC0041P). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

Intracellular Staining by Flow Cytometry



Detection of RORγt/RORC2/NR1F3 in $CD4^+/CD8^+$ Mouse Thymocytes by Flow Cytometry. $CD4^+/CD8^+$ mouse thymocytes were stained with Mouse Anti-Human/Mouse RORγt/RORC2/NR1F3 PE-conjugated Monoclonal Antibody (Catalog # IC6006P, filled histogram) or isotype control antibody (Catalog # IC0041P, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Retinoic acid-related Orphan Receptor gamma (RORγ, TOR, RORC; NR1F3) is a member of the orphan nuclear receptor family. RORγ is expressed in the muscle, thymus, testis, pancreas, prostate, heart, and liver. RORγ plays a role in thymocyte development and homeostasis. RORs bind to DNA as monomers on half-site elements with 5' A/T-rich extensions. An N-terminal isoform of RORγ, RORγt, has been shown to be specifically expressed in the thymus.