Human RORγt/RORC2/NR1F3 Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1181A
Catalog Number: MAB61093

DESCRIPTION

Species Reactivity	Human
Specificity	Detects recombinant human RORγt/RORC2/NR1F3 by direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1181A
Purification	Protein A or G purified from cell culture supernatant
Immunogen	*E.coli* derived recombinant human RORγT/RORC2/NR1F3 Met1-Gln100 Accession # P51449
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

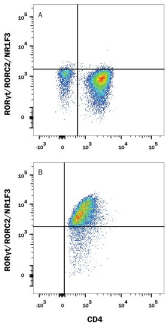
APPLICATIONS

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	0.25 µg/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of RORγ/RORC/NR1F3 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) either (A) unstimulated or (B) stimulated to induce Th17 cells were stained with Rabbit Anti-Human RORγ/RORC/NR1F3 Monoclonal Antibody (Catalog # MAB61093) followed by Phycoerythrin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0110) and Mouse Anti-Human CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB3791A). Quadrant markers were set based on control antibody staining (Catalog # MAB1050). To facilitate intracellular staining, cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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