

# Human/Mouse RORγt/RORC2/NR1F3 Alexa Fluor® 488-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 1181A Catalog Number: IC9125G

25 Tests

DESCRIPTION			
Species Reactivity	y Human/Mouse		
Specificity	Detects recombinant human RORγt/RORC2/NR1F3 by direct ELISAs and detects human and mouse RORγt/RORC2/NR1F3 in flow cytometry.		
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		
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 Shee (SDS) for additional information and handling instructions.		

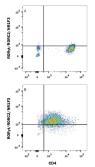
### **APPLICATIONS**

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	5 μL/10 <sup>6</sup> cells	See Below

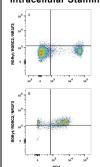
#### DATA

### Intracellular Staining by Flow Cytometry



Detection of RORyt/RORC2/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/Mouse RORyt/RORC2/NR1F3 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # IC9125G) and Mouse Anti-Human CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB3791A). Quadrant markers were set based on control antibody staining (Catalog # IC1051G). 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.

# Intracellular Staining by Flow Cytometry



Detection of RORyt/RORC2/NR1F3 in Mouse Splenocytes by Flow Cytometry. Mouse splenocytes either (A) unstimulated or (B) stimulated to induce Th17 cells were stained with Rabbit Anti-Human/Mouse RORyt/RORC2/NR1F3 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # IC9125G) and Rat Anti-Mouse CD4 APC-conjugated Monoclonal Antibody (Catalog # FAB554A). Quadrant markers were set based on control antibody staining (Catalog # IC1051G). 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

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 (RORy, TOR, RORC; NR1F3) is a member of the orphan nuclear receptor family. RORy is expressed in the muscle, thymus, testis, pancreas, prostate, heart, and liver. RORy 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 RORy, RORyt, has been shown to be specifically expressed in the thymus.

### PRODUCT SPECIFIC NOTICES

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