Human RORα/NR1F1
Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 784652

Catalog Number: IC8924V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RORα/NR1F1 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 784652
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human RORα/NR1F1 Arg47-His163 Accession # P35398
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10^6 cells	Human peripheral blood mononuclear cells (PBMCs) stimulated to induce Th17 cells were fixed and permeabilized with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012)

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

RORa (Retinoid-related Orphan Receptor α) is a member of the NR1 nuclear hormone receptor family. RORα is a DNA binding transcription factor, and can bind as a monomer or homodimer to hormone response elements to enhance expression. Knockout mice implicate RORα as being essential in the development of the cerebellum. It has also been reported to regulate lymphocyte development and play a role in Th17 differentiation. Human RORα shares 99% amino sequence identity with mouse RORα.

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