

Monoclonal **Anti-human ROR α /NR1F1 Antibody**

ORDERING INFORMATION

Catalog Number: PP-H3910-00

Clone: H3910

GenBank: U04897

Ig Class: mouse IgG_{2A}

Volume: 100 μ L

Concentration: 1 mg/mL

Formulation: A liquid formulation in physiologic saline with 0.1% NaN₃

Storage: \leq -20 °C

Specificity: human ROR α

Applications: Western Blot
Direct ELISA
Immunoprecipitation

Description

Retinoic acid-related Orphan Receptor alpha (ROR α , RZR α , RORA; NR1F1) is a member of the Orphan Nuclear Receptor family. ROR α is expressed in the lung, muscle, brain, heart, peripheral blood leukocytes, spleen, liver, and ovary. ROR α appears to have a general role in cell survival in the central nervous system. Four isoforms are generated from the ROR α gene, ROR α 1 - ROR α 4.

Preparation

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human ROR α (amino acids 136 - 236) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

Formulation

A liquid formulation in physiologic saline with 0.1% NaN₃.

Storage

This antibody is stable for greater than six months when held at -20 °C in a **manual defrost freezer** or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody specifically recognizes human ROR α and does not cross-react with human ROR β or human ROR γ . Not yet tested in other species.

Applications

Western Blot - This antibody can be used at 1 μ g/mL with the appropriate secondary reagents to detect human ROR α .

Direct ELISA - This antibody can be used at 0.3 μ g/mL with the appropriate secondary reagents to detect human ROR α .

Immunoprecipitation - Optimal dilutions should be determined by each laboratory.

Optimal dilutions should be determined by each laboratory for each application.

Caution: Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.



Manufactured by:

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