

Anti human ROR alpha mouse monoclonal antibody

ROR alpha: RAR-related orphan receptor alpha

Code No PP-H3910-00

Clone No. H3910

Lot. A-1

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Retinoic acid-related orphan receptor alpha (RORa, RZRα, RORA; NR1F1) is a member of orphan nuclear receptor. RORα is expressed in lung, muscle, brain, heart, peripheral blood leukocytes, spleen, liver and ovary. RORα appears to have a general role in cell survival in the central nervous system. Four isoforms are generated from the RORα gene, RORα1-RORα4.

Nomenclature NR1F1

Genbank U04897

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant ROR alpha (136-236 aa) .

Specificity This antibody specifically recognizes human ROR alpha but does not recognize ROR beta and gamma. Not yet tested in other species.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 1 ug/mL

Non reducing Western Blot Not yet tested

ELISA 0.3 ug/mL (A450=0.7)

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry Not yet tested

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference

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

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MADE IN JAPAN

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