

## 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, RZRa, RORA; NR1F1) is a member of orphan nuclear receptor. RORa is expressed in lung, muscle, brain, heart, peripheral blood leukocytes, spleen, liver and ovary. RORa appears to have a general role in cell survival in the central nervous system. Four isoforms are generated from the RORa gene, RORa1-RORa4.

**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% NaN<sub>3</sub> 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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Aug 28, 2006