

# Anti human RAR beta mouse monoclonal antibody

RAR beta: Retinoic Acid Receptor beta

**Code No** PP-H4338-00

**Clone No.** H4338

**Lot.** \*\*\*

**Concentration** 1 mg/mL

**Volume** 100 uL

**Ig Class** G2a

**Description** Retinoic acid receptor beta (RARb, hap, RAR $\epsilon$ ; NR1B2) is closely related to TR. RARs bind to two retinoids, all-trans retinoic acid and 9-cis retinoic acid. RARb is expressed in ovary, uterus, mammary cell lines, adult and fetal spleen. RARs have been associated with several diseases, among which cancer is one of the most important. RARb takes part in apoptosis.

**Nomenclature** NR1B2

**Genbank** Y00291

**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 human RAR beta (2-79 aa) .

**Specificity** This antibody specifically recognizes human RAR beta but does not recognize RAR alpha 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** 0.2 ug/mL (A450=0.2)

**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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