

## Anti human RAR alpha mouse monoclonal antibody

RAR alpha: Retinoic Acid Receptor alpha

Code No	PP-H1920-00
Clone No.	H1920
Lot.	A-2
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G1
Description	Retinoic acid receptor alpha (RARα; NR1B1) is closely related to TR. RARs bind to two retinoids, all-trans retinoic acid and 9-cis retinoic acid. RARα is expressed in adult skin, lung. RARα is redundantly involved in vertebrates in the pleiotropic control of embryonic patterning and organogenesis, cell proliferation, differentiation and apoptosis, as well as homeostatic control. The specific chromosomal translocation found in acute promyelocytic leukemia (APL), fuses the RARα gene to a gene called promyelocytes (PML).
Nomenclature	NR1B1
Genbank	X06614
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 alpha (1-30 aa).
Specificity	This antibody specifically recognizes human RAR alpha but does not recognize human RAR 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	3 ug/mL
ELISA	0.2 ug/mL
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** Qin J, *et al.* Dev Dyn. 2007; 236(3): 810-20

**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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