

Anti human RAR alpha mouse monoclonal antibody

RAR alpha: Retinoic Acid Receptor alpha

Code No	PP-H1920-00
Clone No.	H1920
Lot.	***
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G1
Description	Retinoic acid receptor alpha (RARa; NR1B1) is closely related to TR. RARs bind to two retinoids, all-trans retinoic acid and 9-cis retinoic acid. RARa is expressed in adult skin, lung. RARa 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 RARa 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 ₃ 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 Jun Qin, *et al.* Developmental Dynamics, 2007, 236: 810-820

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

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

Apr 17, 2007