

Anti human MR mouse monoclonal antibody

MR: Mineralocorticoid Receptor

Code No	PP-H3122-00
Clone No.	H3122
Lot.	***
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Mineralocorticoid receptor (MR; NR3C2) is a member of steroid receptor (AR, ER, GR, PR). Aldosterone binds to MR with a high affinity. MR is expressed in kidney, gut, brain, pituitary, hypothalamus and heart. MR plays a critical role in regulating electrolyte and fluid balance in the kidney, as well as having specific roles in the central nervous system. The protein is expressed as a 107 kDa nuclear form. MR and GR can cooperatively form heterodimers.
Nomenclature	NR3C2
Genbank	M16801
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 MR (2-99 aa).
Specificity	This antibody specifically recognizes human MR and cross reacts with mouse and rat MR.
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	Not yet tested
ELISA	0.2 ug/mL
Immunoprecipitation	Decide by use
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested
Immunohistochemistry	20-40 ug/mL



Human
Large Intestine
paraffin section



Rat Large Intestine
Epithelial cell
paraffin section

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

Jae Mi Suh, *et al.* Mol Endocrinol, Dec. 2006, 20(12): 3412-3420
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