

Anti human MR mouse monoclonal antibody

MR: Mineralocorticoid Receptor

Code No	PP-H3122-00 old No. 2ZH3122H
Clone No.	H3122
Lot.	A-2
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	Suh JM, <i>et al.</i> Mol Endocrinol. 2006; 20(12): 3412-20 Qin J, <i>et al.</i> Dev Dyn. 2007; 236(3): 810-20 Shibata S, <i>et al.</i> Nat Med. 2008; 14(12): 1370-6
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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