

Anti human MR mouse monoclonal antibody

MR: Mineralocorticoid Receptor

Code No PP-H3122-00

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% NaN₃ 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, *et al.* Mol Endocrinol. 2006; 20(12): 3412-20
Qin J, *et al.* Dev Dyn. 2007; 236(3): 810-20
Shibata S, *et al.* 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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MADE IN JAPAN

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