

## Anti human GR common mouse monoclonal antibody

GR: Glucocorticoid Receptor

**Code No** PP-H8004-00

**Clone No.** H8004

**Lot.** A-2

**Concentration** 1 mg/mL

**Volume** 100 uL

**Ig Class** G2a

**Description** Glucocorticoid receptor (GR; NR3C1) is a member of steroid receptor (AR, ER, MR, PR). GR is expressed in almost all human tissues and organs. GR binds to its sequences as an homodimer. Two different forms, GR $\alpha$  and GR $\beta$ , differing in their C-terminal parts were isolated. GR $\alpha$  is the classic GR that binds to glucocorticoids and transactivates or transrepresses glucocorticoid-responsive promoters. GR $\beta$  does not bind glucocorticoids.

**Nomenclature** NR3C1

**Genbank** X03225

**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 GR alpha (2-60 aa).

**Specificity** This antibody specifically recognizes human GR alpha and beta and cross reacts with rat GR alpha and beta. 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** 1-10 ug/mL

**Non reducing Western Blot** Not yet tested

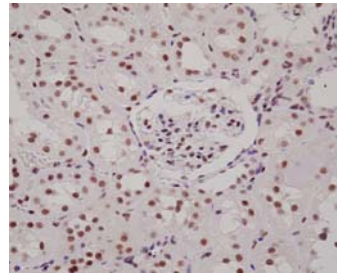
**ELISA** 0.35 ug/mL(A450=1.0)

**Immunoprecipitation** Decide by use

**Supershift Assay** Not yet tested

**Chromatin immunoprecipitation** Not yet tested

**Immunohistochemistry** 10 ug/mL



Rat  
Kidney  
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

**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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