

## 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, GRα and GRβ, differing in their C-terminal parts were isolated. GRα is the classic GR that binds to glucocorticoids and transactivates or transrepresses glucocorticoid-responsive promoters. GRβ 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 α (2-60 aa).

**Specificity** This antibody specifically recognizes human GR α and β and cross reacts with rat GR α and β. 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

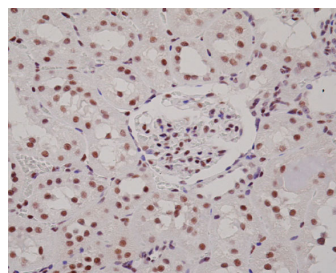
**ELISA** 0.35 ug/mL (A450=1.0)

**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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