

## *Monoclonal Anti-human PNR/NR2E3 Antibody*

### ORDERING INFORMATION

**Catalog Number:** PP-H7223-00

**Clone:** H7223

**GenBank:** AF121129

**Ig Class:** mouse IgG<sub>2a</sub>

**Volume:** 100 µL

**Concentration:** 1 mg/mL

**Formulation:** A liquid formulation in physiologic saline with 0.1% NaN<sub>3</sub>

**Storage:** ≤ -20 °C

**Specificity:** human PNR

**Applications:** Western Blot  
Direct ELISA  
Immunohistochemistry

### *Description*

Photoreceptor-specific Nuclear Receptor (PNR, RNR; NR2E3) is a member of the Orphan Nuclear Receptor superfamily. PNR is expressed in the retina and plays a role in retinal photoreceptor cell differentiation and degeneration.

### *Preparation*

Produced in BALB/c mouse ascites inoculated with a hybridoma of spleen cells of a BALB/c mouse immunized with recombinant human PNR (amino acids 2-45) and mouse myeloma cells (NS-1). The IgG fraction of the ascites fluid was purified by ammonium sulfate fractionation.

### *Formulation*

A liquid formulation in physiologic saline with 0.1% NaN<sub>3</sub>.

### *Storage*

This antibody is stable for greater than six months when held at -20 °C in a **manual defrost freezer** or at -70 °C. Upon thawing, the antibody can be stored at 2-8 °C for at least 1 month without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### *Specificity*

This antibody specifically recognizes human PNR and cross-reacts with rat PNR. Not yet tested in other species.

### *Applications*

**Western Blot** - This antibody can be used at 1 µg/mL under reducing conditions with the appropriate secondary reagents to detect human PNR.

**Direct ELISA** - This antibody can be used at 10 ng/mL with the appropriate secondary reagents to detect human PNR.

**Immunohistochemistry** - This antibody can be used at 10-20 µg/mL with the appropriate secondary reagents to detect human PNR.

**Optimal dilutions should be determined by each laboratory for each application.**

**Caution:** Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.



Manufactured by:

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