

## Anti-POR Antibody Picoband® (monoclonal, 7F5) HRP Conjugated

Catalog Number: M02166-2-HRP

### About POR

POR is a membrane-bound enzyme required for electron transfer from NADPH to cytochrome P450 in the endoplasmic reticulum of the eukaryotic cell. The gene encodes an endoplasmic reticulum membrane oxidoreductase with an FAD-binding domain and a flavodoxin-like domain. The protein binds two cofactors, FAD and FMN, which allow it to donate electrons directly from NADPH to all microsomal P450 enzymes. Mutations in this gene have been associated with various diseases, including apparent combined P450C17 and P450C21 deficiency, amenorrhea and disordered steroidogenesis, congenital adrenal hyperplasia and Antley-Bixler syndrome.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-POR Antibody Picoband® (monoclonal, 7F5) HRP Conjugated                        |
| Reactive Species     | Human   |
| Clonality            | Monoclonal 7F5  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.    |
| Host                 | Mouse   |
| Uniprot ID           | P16435  |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | A synthetic peptide corresponding to a sequence at the C-terminus of human POR, different from the related mouse and rat sequences by five amino acids. |
| Cross Reactivity    | No cross-reactivity with other proteins.  |
| Isotype             | Mouse IgG2b   |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | HRP   |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements.  |

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