

## Anti-RP2 Antibody Picoband® (monoclonal, 3D7) Fluoro550 Conjugated

Catalog Number: M01923-Fluoro550

### About RP2

Protein XRP2 is a protein that in humans is encoded by the RP2 gene. It is mapped to Xp11.3. The RP2 locus has been implicated as one cause of X-linked retinitis pigmentosa. The predicted gene product shows homology with human cofactor C, a protein involved in the ultimate step of beta-tubulin folding. Progressive retinal degeneration may therefore be due to the accumulation of incorrectly folded photoreceptor or neuron-specific tubulin isoforms followed by progressive cell death. The RP2 protein is also involved in regulating the function and extension of outer segment of cone photoreceptors in mice.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-RP2 Antibody Picoband® (monoclonal, 3D7) Fluoro550 Conjugated  |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Monoclonal 3D7  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Mouse   |
| Uniprot ID           | O75695  |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E. coli-derived human RP2 recombinant protein (Position: D244-M348).      |
| Cross Reactivity    | No cross-reactivity with other proteins.                                  |
| Isotype             | Mouse IgG2b   |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro550<br>Excitation Wavelength: 562 nm<br>Emission Wavelength: 576 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                      |

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-RP2 Antibody (monoclonal, 3D7) - Fluoro550

For Research Use Only. Not for use in diagnostic procedures.