

## Anti-GUCY2D Antibody Picoband® PE Conjugated

Catalog Number: A02625-1-PE

### About GUCY2D

This gene encodes a retina-specific guanylate cyclase, which is a member of the membrane guanylyl cyclase family. Like other membrane guanylyl cyclases, this enzyme has a hydrophobic amino-terminal signal sequence followed by a large extracellular domain, a single membrane spanning domain, a kinase homology domain, and a guanylyl cyclase catalytic domain. In contrast to other membrane guanylyl cyclases, this enzyme is not activated by natriuretic peptides. Mutations in this gene result in Leber congenital amaurosis and cone-rod dystrophy-6 diseases.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-GUCY2D Antibody Picoband® PE Conjugated  |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| 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                 | Rabbit  |
| Uniprot ID           | Q02846  |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E.coli-derived human GUCY2D recombinant protein (Position: D65-S1103). |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | PE<br>Excitation Wavelength: 566 nm<br>Emission Wavelength: 574 nm     |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                   |

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### Anti-GUCY2D Antibody - PE

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