

## Anti-PDE8A Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A05304-1-Fluoro550

### About PDE8A

High affinity cAMP-specific and IBMX-insensitive 3', 5'-cyclic phosphodiesterase 8A is an enzyme that in humans is encoded by the PDE8A gene. The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE8 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-PDE8A Antibody Picoband® Fluoro550 Conjugated  |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, 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% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | O60658  |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human PDE8A recombinant protein (Position: R32-E495). Human PDE8A shares 80.5% amino acid (aa) sequence identity with mouse PDE8A. |
| Cross Reactivity    | No cross reactivity with other proteins.  |
| Isotype             | IgG   |
| 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.  |

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