

## Anti-PPID Antibody Picoband® (monoclonal, 5A6) Fluoro550 Conjugated

Catalog Number: M02424-Fluoro550

### About PPID

Cyclophilin D, Peptidylprolyl isomerase D, also known as PPID, is an enzyme which in humans is encoded by the PPID gene. The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. The Cyclophilin D (PPID) gene contains 10 exons and spans 14.2 kb of genomic DNA. By fluorescence in situ hybridization, the PPID gene is mapped to chromosome 4q31.3. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. This protein has been shown to possess PPIase activity and, similar to other family members, can bind to the immunosuppressant ciclosporin.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-PPID Antibody Picoband® (monoclonal, 5A6) Fluoro550 Conjugated  |
| Reactive Species     | Human, Monkey, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Monoclonal 5A6   |
| 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                 | Mouse  |
| Uniprot ID           | Q08752   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E. coli-derived human PPID recombinant protein (Position: N306-A370).     |
| Cross Reactivity    | No cross-reactivity with other proteins.                                  |
| Isotype             | Mouse IgG1  |
| 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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