

## Anti-PPCS Antibody Picoband® (monoclonal, 7G13) FITC Conjugated

Catalog Number: M05567-FITC

### About PPCS

Phosphopantothenoylcysteine synthetase in humans is encoded by the PPCS gene. Biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5) is an essential universal pathway in prokaryotes and eukaryotes. PPCS, one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine. By genomic sequence analysis, this PPCS gene is mapped to chromosome 1.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-PPCS Antibody Picoband® (monoclonal, 7G13) FITC Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Monoclonal 7G13  |
| 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           | Q9HAB8   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | A synthetic peptide corresponding to a sequence at the C-terminus of human PPCS, which shares 73.9% and 78.2% amino acid (aa) sequence identity with mouse and rat PPCS, respectively. |
| Cross Reactivity    | No cross-reactivity with other proteins.   |
| Isotype             | Mouse IgG2a  |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Conjugate           | FITC<br>Excitation Wavelength: 495 nm<br>Emission Wavelength: 525 nm   |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.   |

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