

## Anti-Adenylate Kinase 1/AK1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB10033-Fluoro647

### About AK1

This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Adenylate Kinase 1/AK1 Antibody Picoband® Fluoro647 Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| 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           | P00568   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | A synthetic peptide corresponding to a sequence at the C-terminus of human Adenylate Kinase 1, different from the related mouse sequence by seven amino acids, and from the related rat sequence by four amino acids. |
| Cross Reactivity    | No cross-reactivity with other proteins.  |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 665 nm   |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.  |

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