

## Anti-Hexokinase 1/HK1 Antibody Picoband® (monoclonal, 2I4) PE Conjugated

Catalog Number: M01504-1-PE

### About HK1

Hexokinase-1 (HK1) is an enzyme that in humans is encoded by the HK1 gene on chromosome 10. It is mapped to 10q22.1. Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in several transcript variants which encode different isoforms, some of which are tissue-specific.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Hexokinase 1/HK1 Antibody Picoband® (monoclonal, 2I4) PE Conjugated  |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, IHC-F, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Monoclonal 2I4  |
| 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           | P19367  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human Hexokinase 1/HK1 recombinant protein (Position: D17-R323). |
| Cross Reactivity | No cross-reactivity with other proteins.  |
| Isotype          | Mouse IgG2b   |
| 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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