

Anti-Hexokinase 1/HK1 Antibody Picoband® (monoclonal, 4B7) Fluoro594 Conjugated

Catalog Number: M01504-2-Fluoro594

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, 4B7) Fluoro594 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 4B7
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
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 IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

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