

## Anti-Aldolase/ALDOA Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A05022-3-Fluoro647

### About ALDOA

Aldolase A (ALDOA, or ALDA), also known as fructose-bisphosphate aldolase, is an enzyme that in humans is encoded by the ALDOA gene on chromosome 16. This gene encodes a member of the class I fructose-bisphosphate aldolase protein family. The encoded protein is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Mutations in this gene have been associated with Glycogen Storage Disease XII, an autosomal recessive disorder associated with hemolytic anemia. Disruption of this gene also plays a role in the progression of multiple types of cancers. Related pseudogenes have been identified on chromosomes 3 and 10.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Aldolase/ALDOA Antibody Picoband® Fluoro647 Conjugated   |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| 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           | P04075  |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human Aldolase/ALDOA recombinant protein (Position: E50-Y364). |
| 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

Optimal dilutions should be determined by end users.

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Anti-Aldolase/ALDOA Antibody - Fluoro647

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