

## Anti-AKR1D1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A05278-1-Fluoro647

### About AKR1D1

Human delta (4)-3-oxosteroid 5-beta-reductase (steroid 5-beta-reductase) catalyzes 5-beta-reduction of bile acid intermediates and steroid hormones carrying a delta (4)-3-one structure. This gene is mapped to 7q33. The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones carrying a delta (4)-3-one structure. Deficiency of this enzyme may contribute to hepatic dysfunction. Three transcript variants encoding different isoforms have been found for this gene. Other variants may be present, but their full-length natures have not been determined yet.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-AKR1D1 Antibody Picoband® Fluoro647 Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, 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           | P51857   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | A synthetic peptide corresponding to a sequence at the C-terminus of human AKR1D1, which shares 90.9% and 93.9% amino acid (aa) sequence identity with mouse and rat AKR1D1, respectively. |
| 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-AKR1D1 Antibody - Fluoro647

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