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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-AKR1D1 Antibody Picoband® (monoclonal, 6I4) PE Conjugated

Catalog Number: M05278-PE

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® (monoclonal, 6I4) PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 6I4
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
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	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.