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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-RP2 Antibody Picoband® (monoclonal, 3D7) FITC Conjugated

Catalog Number: M01923-FITC

About RP2

Protein XRP2 is a protein that in humans is encoded by the RP2 gene. It is mapped to Xp11.3. The RP2 locus has been implicated as one cause of X-linked retinitis pigmentosa. The predicted gene product shows homology with human cofactor C, a protein involved in the ultimate step of beta-tubulin folding. Progressive retinal degeneration may therefore be due to the accumulation of incorrectly folded photoreceptor or neuron-specific tubulin isoforms followed by progressive cell death.The RP2 protein is also involved in regulating the function and extension of outer segment of cone photoreceptors in mice.

Overview

Product Name	Anti-RP2 Antibody Picoband® (monoclonal, 3D7) FITC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 3D7
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	O75695

Technical Details

Immunogen	E. coli-derived human RP2recombinant protein (Position: D244-M348).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 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.