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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-P2RX4 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9304-Fluoro647

About P2RX4

Purinoceptor P2X4, also called P2X4R is a protein that in humans is encoded by the P2RX4 gene. This gene belongs to the family of purinoceptors for ATP. P2RX4 was mapped to 12q24.32 by fluorescence in situ hybridization. P2RX4 is a receptor for ATP that acts as a ligand-gated ion channel. This receptor is insensitive to the antagonists PPADS and suramin. P2X4 receptor in hyperactive microglia is necessary for tactile allodynia after nerve injury and is sufficient to produce tactile allodynia in normal animals. P2X4 recetors have beeb implicated in the regulation of cardiac function, ATP-mediated cell death, synaptic strengthening, and activating of the inflammasome in response to injury.

Overview

Product Name	Anti-P2RX4 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
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	Rabbit
Uniprot ID	Q99571

Technical Details

Immunogen	E.coli-derived human P2RX4 recombinant protein (Position: N262-Q388). Human P2RX4 shares 91% and 90% amino acid (aa) sequence identity with mouse and rat P2RX4, 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 Excitation Wavelength: 650 nm Emission Wavelength: 665 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.