

## Anti-P2X5/P2RX5 Antibody Picoband® APC Conjugated

Catalog Number: PB9305-APC

### About P2RX5

P2X purinoceptor 5 is a protein that in humans is encoded by the P2RX5 gene. The product of this gene belongs to the family of purinoceptors for ATP. It has been identified that the P2RX5 gene within a BAC contig covering chromosome 17p13. This receptor functions as a ligand-gated ion channel. Several characteristic motifs of ATP-gated channels are present in its primary structure, but, unlike other members of the purinoceptors family, this receptor has only a single transmembrane domain. Quantitative dot blots revealed that P2X5R expression is highest in brain and immune system and is developmentally regulated.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-P2X5/P2RX5 Antibody Picoband® APC Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| 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           | Q93086   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E.coli-derived human P2X5 recombinant protein (Position: D333-T422). Human P2X5 shares 42% amino acid (aa) sequence identity with rat P2X5. |
| Cross Reactivity    | No cross-reactivity with other proteins   |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Purification        | Immunogen affinity purified.  |
| Conjugate           | APC<br>Excitation Wavelength: 633-647 nm<br>Emission Wavelength: 660 nm   |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.  |

## 1 Publications Citing This Product

1. PubMed ID: 25561285, Meng M, Zheng J, Yan J, Li Q, Fang Q, Li W. Cell Biochem Biophys. 2015 Jan 6. [Epub Ahead Of Print] P2X2 And P2X5 Receptors Mediate Bladder Hyperesthesia In Icc In Female Overactive Bladder.

Visit [bosterbio.com/anti-p2x5-picoband-trade-antibody-pb9305-boster.html](http://bosterbio.com/anti-p2x5-picoband-trade-antibody-pb9305-boster.html) to see all 1 publications.

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