

## Anti-CD3 epsilon/CD3E Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9093-Cy3

### About CD3E

CD3e molecule, epsilon also known as CD3E is a polypeptide which in humans is encoded by the CD3E gene which resides on chromosome 11. It is mapped to 11q23.3. The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development.

### Overview

Product Name	Anti-CD3 epsilon/CD3E Antibody Picoband® Cy3 Conjugated
Reactive Species	Chicken, 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	P07766

### Technical Details

Immunogen	E.coli-derived human CD3 epsilon recombinant protein (Position: D23-I207). Human CD3 epsilon shares 65% amino acid (aa) sequence identity with mouse CD3 epsilon.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 8 Publications Citing This Product

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1. PubMed ID: 10.1021/acsami.1c08290, Combination of Chidamide-Mediated Epigenetic Modulation with Immunotherapy: Boosting Tumor Immunogenicity and Response to PD-1/PD-L1 Blockade
2. PubMed ID: , Dual-Wavelength Photosensitive Nano-in-Micro Scaffold Regulates Innate and Adaptive Immune Responses for Osteogenesis
3. PubMed ID: 20470401, Li Y, Geng S, Yin Q, Chen S, Yang L, Wu X, Li B, Du X, Schmidt Ca, Przybylski Gk. J Transl Med. 2010 May 14;8:47. Doi: 10.1186/1479-5876-8-47. Decreased Level Of Recent Thymic Emigrants In Cd4+ And Cd8+T Cells From Cml Patients.

Visit [bosterbio.com/anti-cd3-epsilon-picoband-trade-antibody-pb9093-boster.html](http://bosterbio.com/anti-cd3-epsilon-picoband-trade-antibody-pb9093-boster.html) to see all 8 publications.

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