

Anti-CD8 alpha/CD8A Antibody Picoband® APC Conjugated

Catalog Number: PB9249-APC

About CD8A

The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. It is mapped to 2p11.2. The CD8 antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene also encodes the CD8 alpha chain isoforms.

Overview

Product Name	Anti-CD8 alpha/CD8A Antibody Picoband® APC Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P01732

Technical Details

Immunogen	E.coli-derived human CD8 alpha recombinant protein (Position: S22-A187). Human CD8 alpha shares 49% and 47% amino acid (aa) sequence identity with mouse and rat CD8 alpha, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

7 Publications Citing This Product

1. PubMed ID: PMID:31966612, Clinical biocharacterization of immunophenotype in hepatocellular carcinoma patients
2. PubMed ID: PMID:31966704, MicroRNA-421 mediates immunosensitivity in late-stage human liver cancer
3. PubMed ID: 10.1177/1753425912456223, Effect of l-arginine on intestinal mucosal immune barrier function in weaned pigs after Escherichia coli LPS challenge:

Visit bosterbio.com/anti-cd8-alpha-picoband-trade-antibody-pb9249-boster.html to see all 7 publications.

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