

Anti-CD8 alpha/Cd8a Antibody Picoband® PE Conjugated

Catalog Number: A02236-3-PE

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® PE Conjugated
Reactive Species	Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P01731

Technical Details

Immunogen	E.coli-derived mouse CD8 recombinant protein (Position: K39-K245).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

4 Publications Citing This Product

1. PubMed ID: 10.1016/j.fertnstert.2006.11.063, Endocrine function and lymphocyte infiltration of newborn rat ovaries after ultrarapid freezing and allotransplantation
2. PubMed ID: 33889520, Liu Q,Hao Y,Du R,Hu D,Xie J,Zhang J,Deng G,Liang N,Tian T,Käsmann L,Rades D,Rim CH,Hu P,Zhang J.Radiotherapy programs neutrophils to an antitumor phenotype by inducing mesenchymal-epithelial transition.Transl Lung Cancer Res.2021 Mar;10(3):1424-1443.doi:10.21037/tlcr-21-152.PMID:33889520;PMCID:PMC8044478.
3. PubMed ID: 32802195, Dai X,Lu L,Deng S,Meng J,Wan C,Huang J,Sun Y,Hu Y,Wu B,Wu G,Lovell JF,Jin H,Yang K.USP7 targeting modulates anti-tumor immune response by reprogramming Tumor-associated Macrophages in Lung Cancer.Theranostics.2020 Jul 23;10(20):9332-9347.doi:10.7150/thno.47137.PMID:32802195;PMCID:PMC7415808.

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