

## Anti-Cd4 Antibody Fluoro647 Conjugated

Catalog Number: A00344-3-Fluoro647

### About Cd4

This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

### Overview

Product Name	Anti-Cd4 Antibody Fluoro647 Conjugated
Reactive Species	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	P05540

### Technical Details

Immunogen	E.coli-derived rat Cd4 recombinant protein (Position: K28-A246).
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.

### 3 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: 25609949, Wang X, Shi L, Tu Q, Wang H, Zhang H, Wang P, Zhang L, Huang Z, Zhao F, Luan H, Wang X. Int J Nanomedicine. 2015 Jan 6;10:347-55. Doi: 10.2147/Ijn.S71245. Ecollection 2015. Treating Cutaneous Squamous Cell Carcinoma Using 5-Aminolevulinic Acid Pol...
3. PubMed ID: 24038990, Zhao N, Li X, He X, Qiu Y, Zhu L, Qi F. J Gene Med. 2013 Oct;15(10):366-74. Doi: 10.1002/Jgm.2739. Interleukin-15 Gene Therapy And The Mammalian Target Of Rapamycin Inhibitor Everolimus Inhibit The Growth Of Metastatic Breast Cancer.

Visit [bosterbio.com/anti-cd4-picoband-trade-antibody-a00344-3-boster.html](http://bosterbio.com/anti-cd4-picoband-trade-antibody-a00344-3-boster.html) to see all 3 publications.

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