

Mouse anti-Human CD4 Monoclonal Antibody | anti-CD4 antibody

CD4 (T-Helper/Inducer Cell Marker)

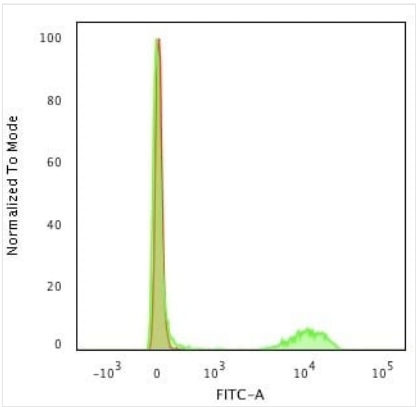
CATALOG # AAA215431	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
-------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

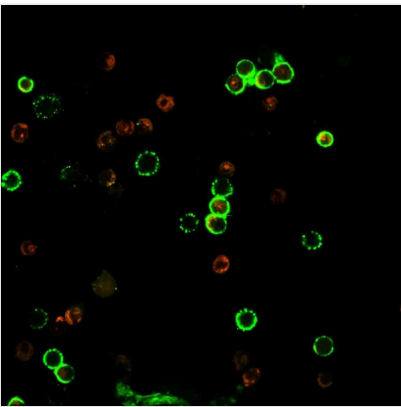
CD4; Monoclonal Antibody; CD4 (T-Helper/Inducer Cell Marker); L3T4; Leu3; Ly-4; Lymphocyte antigen CD4; p55; T cell antigen T4/LEU3; T cell differentiation antigen L3T4; T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4; anti-CD4 antibody

PRODUCT SPECIFICATIONS

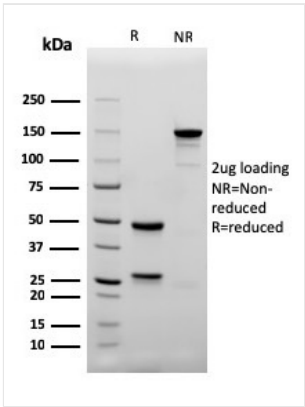
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rC4/206
Specificity	Recognizes a protein of 55kDa, identified as CD4. CD4 is a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This protein is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific 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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	458
Applicable Applications for anti-CD4 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length Human CD4 protein
Cellular Localization	Cell Surface
Antibody Type	Recombinant Antibody
Hu-chromosome Location	12p13.31
Positive Control	Human peripheral blood mononuclear cells (PBMCs), CCRF-CEM or HL-60. Lymph node or Tonsil.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of PBMC cells using CD4 Recombinant Mouse Monoclonal Antibody (rC4/206) followed by goat anti-mouse IgG-CF488 (Green); Unstained cells (Red).



IF (Immunofluorescence)
Immunofluorescence staining of PBMC cells using CD4 Recombinant Mouse Monoclonal Antibody (rC4/206) followed by goat anti-mouse IgG conjugated to CF488 (green).



SDS-PAGE
SDS-PAGE Analysis Purified CD4 Recombinant Mouse Monoclonal Antibody (rC4/206).
Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Janeway, C.A., Jr. 1992. The T cell receptor as a multicomponent signaling machine: CD4/CD8 co-receptors and CD45 in T cell activation. Annu. Rev. Immunol. 10: 645-674. Arthos, J., et al. 1989. Identification of the residues in human CD4 critical for the binding of HIV. Cell 57: 469-481.
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835167
NCBI GeneID	920
NCBI Accession #	NP_000607.1
NCBI GenBank Nucleotide #	NP_000607.1
UniProt Accession #	P01730
Molecular Weight	55kDa
NCBI Official Full Name	T-cell surface glycoprotein CD4 isoform 1
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4
NCBI Official Synonym Symbols	CD4mut

NCBI Protein Information	T-cell surface glycoprotein CD4
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd4-antibody-clone-rc4-206-immunofluorescence-flow-cytometry-elisa/215431>