

Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

Anti-CD4 Antibody (PE), Mouse Monoclonal

CATALOG # AAA254899	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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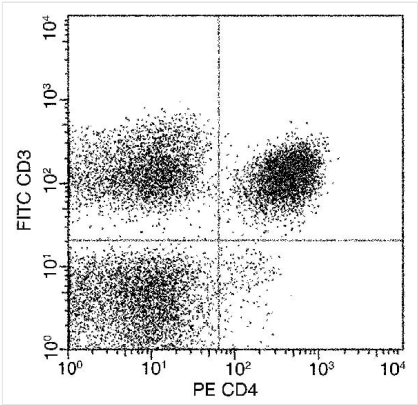
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; Anti-CD4 Antibody (PE); Mouse Monoclonal; CD4 Antibody (PE); Mouse MAb; CD4 molecule; Anti-CD4mut Antibody; anti-CD4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	08
Specificity	Human CD4
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	1ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-CD4 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant Human CD4 protein
Conjugation	PE
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD4 (rh CD4) and conjugated with PE under optimum conditions, the unreacted PE was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human CD4 expression on human peripheral blood lymphocytes. Cells were stained with PE-conjugated anti-Human CD4 and FITC conjugated anti-Human CD3 (BD Pharmingen®). The dot plots were derived from events with the forward and side light-scatter characteristics of viable lymphocytes. Flow Cytometry was performed on a BD FACSCalibur flow cytometry system.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD4 antibody	NF-kB (NFkB) Pathway
References	Farrar WL, et al. (1988) Characterization of CD4 glycoprotein determinant-HIV envelope protein interactions: perspectives for analog and vaccine development. Crit Rev Immunol. 8(4): 315-39. Biddison WE, et al. (1989) CD4 expression and function in HLA class II-specific T cells. Immunol Rev. 109: 5-15. Singh SK, et al. (2012) Mapping the interaction between the cytoplasmic domains of HIV-1 viral protein U and human CD4 with NMR spectroscopy. FEBS J. 279(19):3705-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835167
NCBI GeneID	920
NCBI Accession #	NP_000607.1
NCBI GenBank Nucleotide #	NM_000616.4
UniProt Accession #	P01730; Q4ZGK2; Q5U066; Q9UDE5; B2R737; D3DUS5
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; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
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.

