

CD4 recombinant antibody

Anti-CD4 [MT310]

CATALOG #	REACTIVITY	APPLICATIONS
AAA71942	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Western Blot

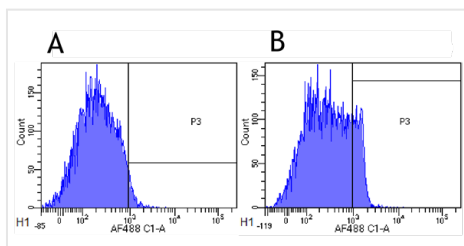
PRODUCT SYNONYMS

CD4; Anti-CD4 [MT310]; T-cell differentiation antigen; Ly-4; L3T4; T-cell surface antigen T4/Leu-3; CD4 recombinant antibody

PRODUCT SPECIFICATIONS

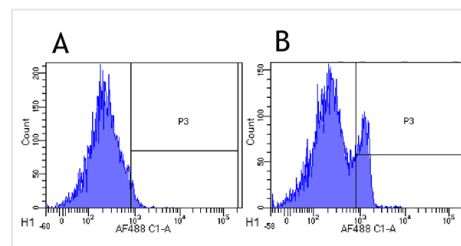
Reactivity	Human
Isotype	Rabbit IgG, kappa
Clone Number	MT310
Specificity	Recognizes CD4, a transmembrane protein expressed on Th/i-cells, monocytes, macrophages and dendritic cells.
Purity/Purification	Protein A Affinity Purified
Sequence Length	458
Applicable Applications for CD4 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



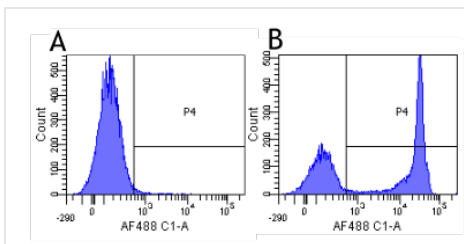
FCM/FACS (Flow Cytometry)

Flow-cytometry using anti-CD4 antibody MT310 Cynomolgus monkey lymphocytes were stained with an isotype control or the rabbit-chimeric version of MT310 at a concentration of 1 ug/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.



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ADDITIONAL INFORMATION

Related Product Information for CD4 recombinant antibody	Recombinant monoclonal antibody to CD4. Manufactured using a Recombinant Platform with variable regions (i.e. specificity) from the hybridoma MT310. This chimeric rabbit antibody was made using the variable domain sequences of the original murine IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for CD4 recombinant antibody	Immunology ; Biosimilar
References	Herzog et al. Monoclonal anti-CD4 in arthritis. Lancet. 1987 Dec 19; 2(8573):1461-2. PMID:2892019

NCBI AND UNIPROT INFORMATION

NCBI GI #	116013
NCBI GeneID	920
UniProt Accession #	P01730 ; Q4ZGK2 ; Q5U066 ; Q9UDE5 ; B2R737 ; D3DUS5
Molecular Weight	51,111 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4
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.

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Online datasheet: <https://stage.aaabiotech.com/human-recombinant-antibody/cd4/71942>