

CD4 recombinant antibody

Anti-CD4 Reference Antibody (ibalizumab)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA297000	CHO Cell	Human, Cynomolgus	Functional Assay, Flow Cytometry, Functional Assay, ELISA

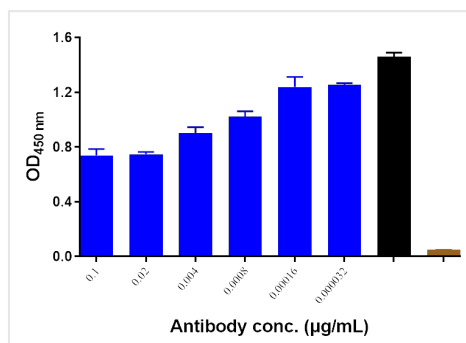
PRODUCT SYNONYMS

CD4; Monoclonal Recombinant Antibody; Anti-CD4 Reference Antibody (ibalizumab); CD4 recombinant antibody

PRODUCT SPECIFICATIONS

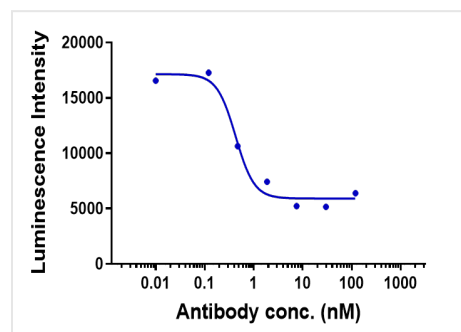
Host	CHO Cell
Reactivity	Human, Cynomolgus
Clonality	Monoclonal
Isotype	IgG4SP
Specificity	CD4
Form/Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CD4 recombinant antibody	FA (Functional Assay), FCM/FACS (Flow Cytometry), ELISA
Endotoxin	< 0.001EU/ug, determined by LAL method.
Conjugation	Unconjugated
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -80 degree C for 2 years under sterile conditions; -20 degree C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.

IMAGES



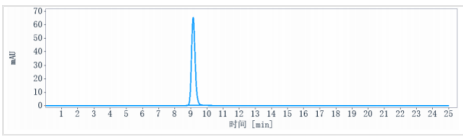
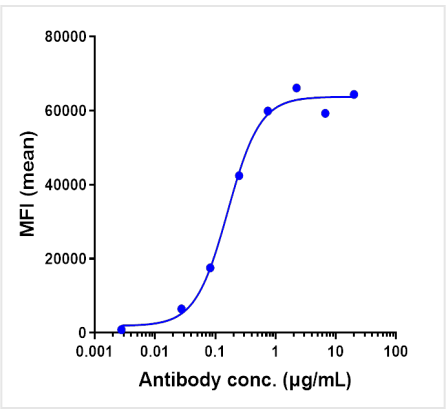
Application Data

Anti-CD4 Reference Antibody (ibalizumab) Activation inhibition was evaluated using PBMC. The max induction fold was approximately 1.71



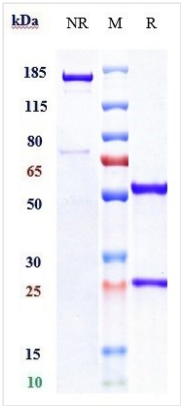
Application Data

Anti-CD4 Reference Antibody (ibalizumab) Pseudoviral inhibition was evaluated using Tzmb1. The IC50 was approximately 0.441 nM.



Application Data
The purity of Anti-CD4 Reference Antibody (ibalizumab) is more than 95%, determined by SEC-HPLC.

FCM/FACS (Flow Cytometry)
Human CD4 CHO cells were stained with Anti-CD4 Reference Antibody (ibalizumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC369=0.16 µg/mL



SDS-PAGE
Anti-CD4 Reference Antibody (ibalizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

ADDITIONAL INFORMATION

Product Categories/Family for CD4 recombinant antibody	Primary Antibodies
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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
Molecular Weight	51,111 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd4-recombinant-antibody-functional-assay-flow-cytometry-elisa/297000>