



# CERTIFICATE OF ANALYSIS

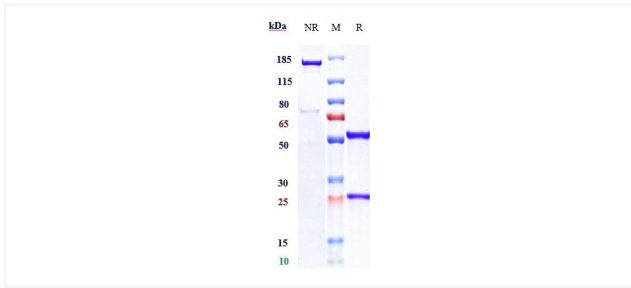


## Product Details

Product name:	Anti-CD4 Reference Antibody (ibalizumab)	Lot.No.:	P214132
Target:	CD4 / LEU3	Catalog:	CHA704
Target Accession:	P01730	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	IgG4SP
Reactivity:	Human, Cynomolgus	Molecular Weight (kDa) :	147.36 kDa
Application:	Kinetics (SPR), ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0   Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Unconjugated
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	Expression System:	CHO
Storage:	-80°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.	Purification:	Protein A

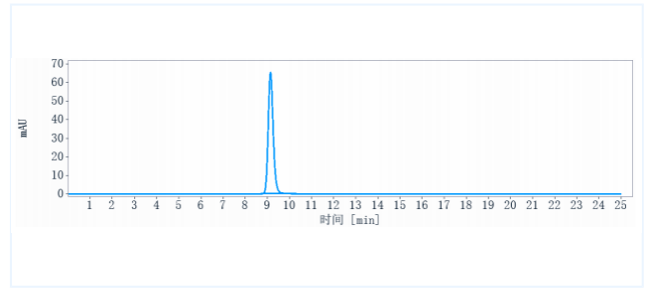
## Data

## Purity: SDS-PAGE



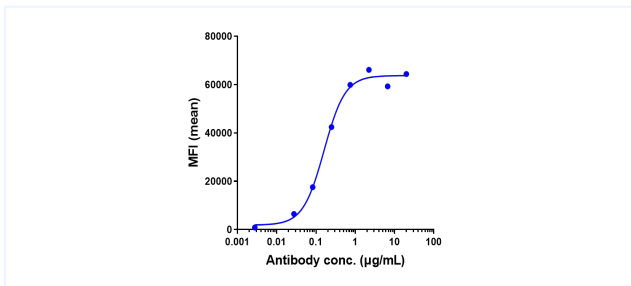
Anti-CD4 Reference Antibody (ibalizumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

## Purity: SEC-HPLC



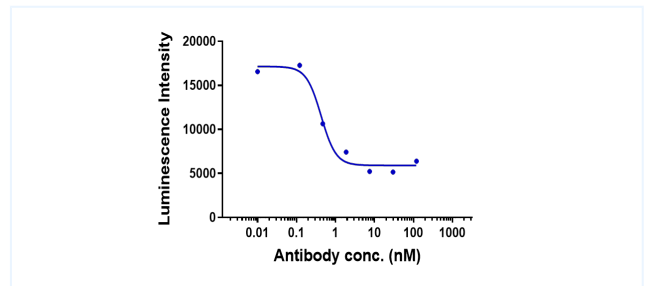
The purity of Anti-CD4 Reference Antibody (ibalizumab) is more than 95%, determined by SEC-HPLC.

## Bioactivity: FACS



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, EC50=0.16 µg/mL.

## Function: Pseudoviral Inhibition



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

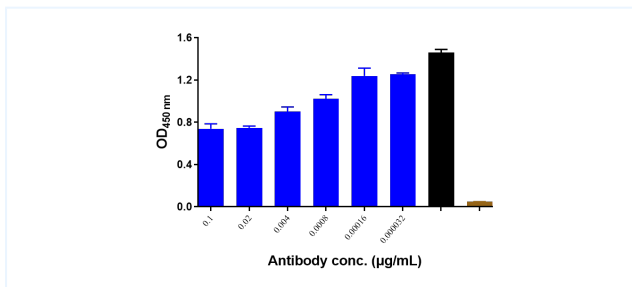
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## Function: Activation Inhibition



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

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