

# Ibalizumab reference antibody



Catalog Number: 176843

## Product name

Ibalizumab reference antibody

## Specificity

Human CD4

## Antibody description

Anti-CD4 Antibody (Ibalizumab)

## Preparation

Recombinant expression and purified from CHO cells.

## Formulation

0.1 M Pro-Ac, 20 mM Arg, pH 5.0. **Add sterile water to prepare a stock solution of 1.00 mg/ml. The concentration is measured by UV-Vis.**

## Storage

2 weeks, 2-8°C under sterile conditions after reconstitution. Avoid repeated freeze-thaw. -80°C for a long-term storage.

## Clonality

Monoclonal

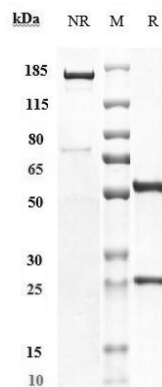
## Ig Type

IgG4SP

## Applications

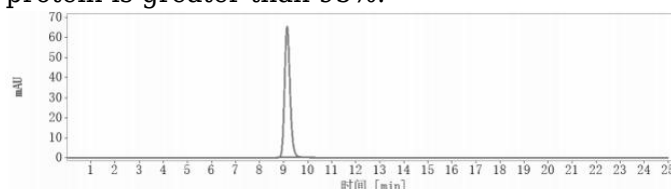
ELISA

## Validations



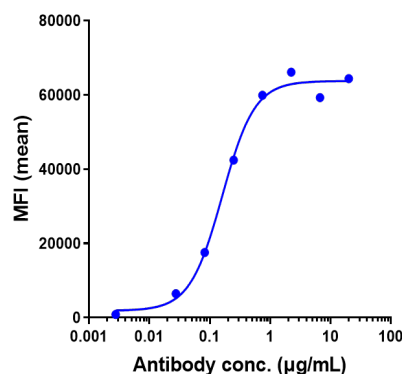
## SDS-PAGE

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



## SEC-HPLC

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



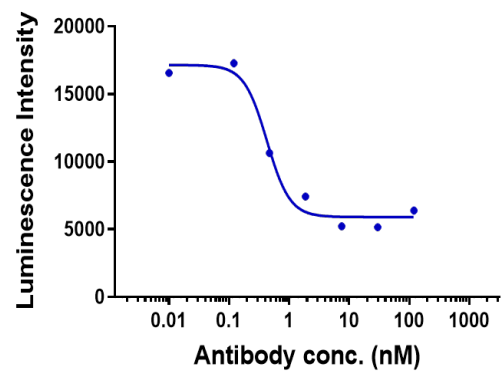
## Bioactivity: FACS

Human CD4 CHO cells were stained with Anti-CD4 Antibody (ibalizumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=0.16 μg/mL.

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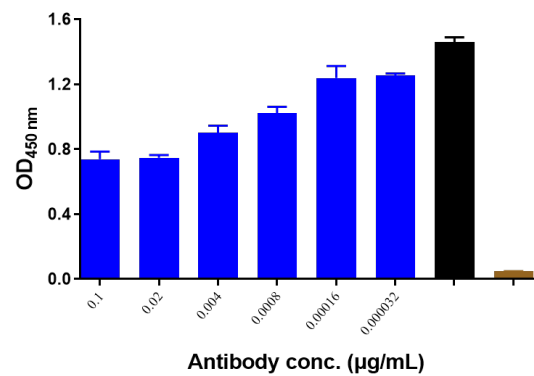


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Function: Pseudoviral Inhibition

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



Function: Activation Inhibition

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