

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

Storage

-80°C for 2 years under sterile conditions; -20°C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.

Clonality

Monoclonal

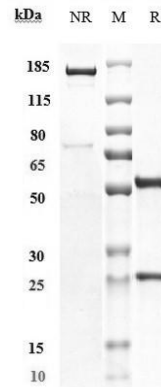
Ig Type

IgG4SP

Applications

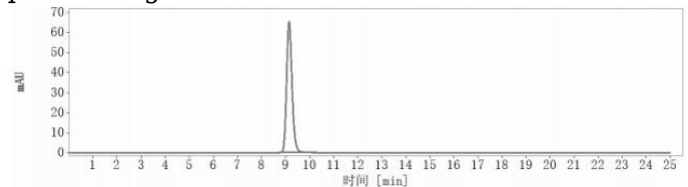
ELISA

Validations



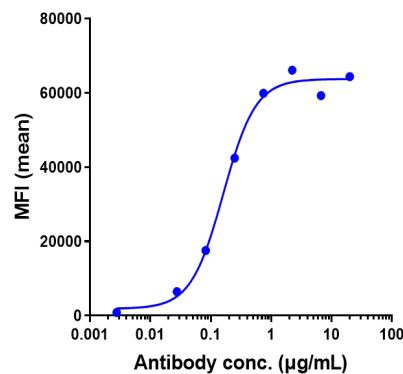
SDS-PAGE

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.



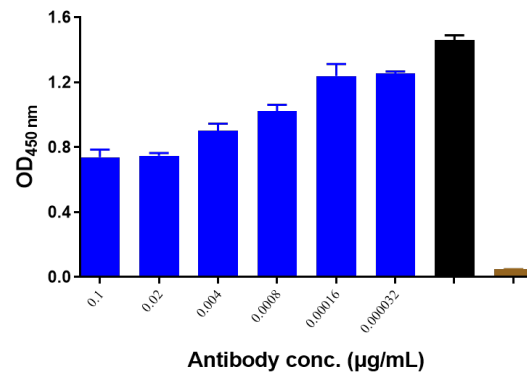
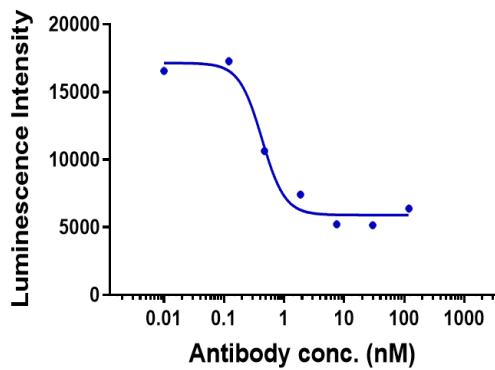
Bioactivity: FACS

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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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