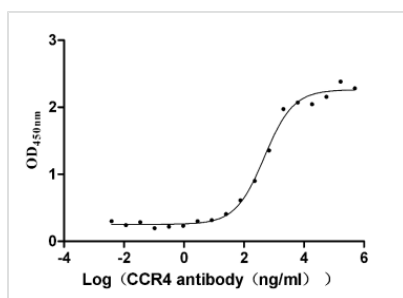




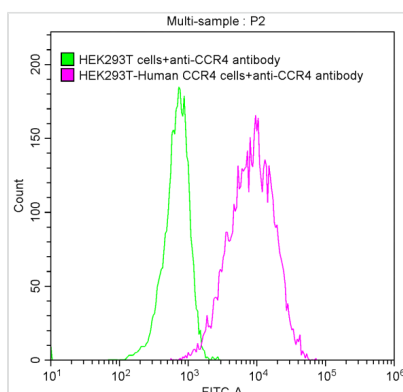
# CCR4 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA004843MA01HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P51679
<b>Immunogen</b>	Recombinant Human CCR4 protein
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, FC; Recommended dilution: FC:1:50-1:200
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	hIgG1
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	CCR4
<b>Clone No.</b>	12F5

## Image



The Binding Activity of CCR4 with Anti-CCR4 Recombinant Antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized CCR4 (CSB-MP004843HU) at 10 µg/mL can bind Anti-CCR4 Recombinant Antibody, the EC<sub>50</sub> is 362.3-630.8 ng/mL.



Untransfected HEK293 cells surface (green line) and transfected Human CCR4 HEK293 stable cells surface (red line) were stained with anti-CCR4 antibody (2µl/1\*10<sup>6</sup> cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.



## Description

The creation of the CCR4 recombinant monoclonal antibody involves a meticulous process aimed at ensuring its exceptional quality and specificity. Initially, B cells are isolated from the spleen of an immunized animal using the recombinant human CCR4 protein as the immunogen. RNA is then extracted from the B cells and converted into cDNA through reverse transcription. The CCR4 antibody genes are amplified using specific primers targeting the antibody constant regions and inserted into an expression vector. This vector is subsequently transfected into host cells, enabling the production of the CCR4 recombinant monoclonal antibody. After a period of cell culture, the antibody is harvested from the cell culture supernatant and subjected to purification using affinity chromatography, resulting in a highly purified form suitable for various applications. Stringent characterization assays, including ELISA and FC analysis, are conducted to validate the antibody's specificity and functionality in detecting human CCR4 protein. The rigorous production process ensures the generation of a reliable and effective CCR4 recombinant monoclonal antibody, which plays a crucial role in a wide range of CCR4-related research.