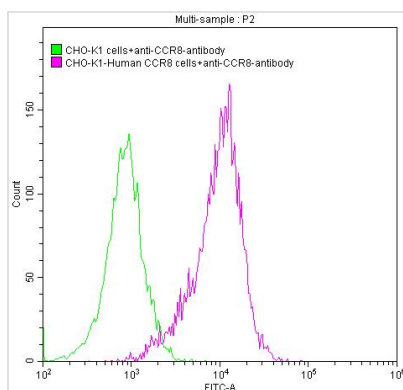




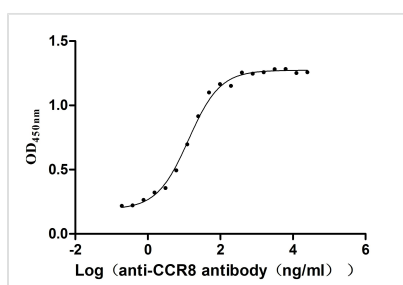
# CCR8 Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA004847MA3HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	P51685
<b>Immunogen</b>	Recombinant Human CCR8 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;Microbiology
<b>Gene Names</b>	CCR8
<b>Clone No.</b>	4A19

## Image



Untransfected CHO-K1 cells surface (green line) and transfected Human CCR8 CHO-K1 stable cells surface (red line) were stained with anti-CCR8 antibody (2 $\mu$ g/1\*10<sup>6</sup> cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.



The Binding Activity of CCR8 with Anti-CCR8 recombinant antibody.  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CCR8 (CSB-MP004847HU) at 5  $\mu$ g/mL can bind Anti-CCR8 recombinant antibody, the EC<sub>50</sub> is 11.20-15.63 ng/mL.



## Description

The synthesis of the CCR8 recombinant monoclonal antibody is carried out with meticulous precision to ensure its exceptional quality and specificity. The process begins by isolating B cells from the spleen of an immunized animal, where the recombinant human CCR8 protein serves as the immunogen. RNA is extracted from the B cells and converted into cDNA through reverse transcription. Using specific primers designed for the antibody constant regions, the CCR8 antibody genes are amplified and inserted into an expression vector. The vector is then introduced into host cells through transfection, allowing for the production of the CCR8 recombinant monoclonal antibody. After a period of cell culture, the antibody is harvested from the cell culture supernatant and purified using affinity chromatography, resulting in a highly purified form suitable for a wide range of applications. To ensure its reliability and effectiveness, the antibody undergoes FC analysis to validate its specificity and functionality in detecting human CCR8 protein.