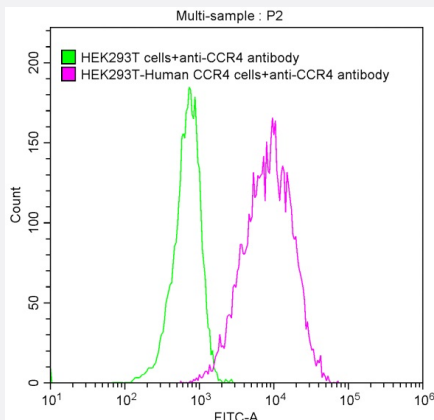


RecomAb™

# CCR4 recombinant monoclonal antibody, clone 12F5

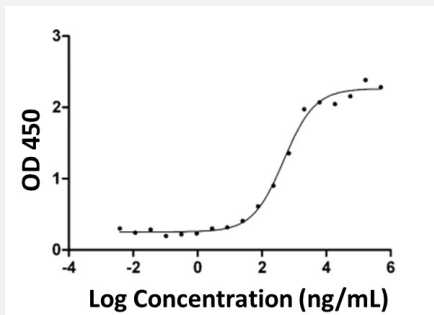
Catalog # RAB07552      Size 100 uL

## Applications



### Flow Cytometry

Flow cytometry analysis of untransfected HEK293 cells (green line) and transfected human CCR4 HEK293 stable cells (red line) stained with CCR4 recombinant monoclonal antibody, clone 12F5 (Cat # RAB07552) (2ug/1\*10<sup>6</sup>cells). The cells were washed and then followed by FITC-conjugated anti-Human IgG Fc antibody.



The ELISA results show that the binding activity of CCR4 with CCR4 recombinant monoclonal antibody, clone 12F5 (Cat # RAB07552). Immobilized CCR4 (CSB-MP004843HU) at 10 ug/mL can bind CCR4 recombinant monoclonal antibody, clone 12F5 (Cat # RAB07552), the EC<sub>50</sub> is 362.3-630.8 ng/mL.

## Specification

Product Description	Human recombinant monoclonal antibody raised against human CCR4.
Antibody Species	Human
Immunogen	Original antibody is raised against recombinant protein of human CCR4.
Reactivity	Human
Form	Liquid

Purification	Affinity chromatography purification
Isotype	IgG1
Quality Control Testing	<p>Binding activity</p> <p>The ELISA results show that the binding activity of CCR4 with CCR4 recombinant monoclonal antibody, clone 12F5 (Cat # RAB07552). Immobilized CCR4 (CSB-MP004843HU) at 10 ug/mL can bind CCR4 recombinant monoclonal antibody, clone 12F5 (Cat # RAB07552), the EC<sub>50</sub> is 362.3-630.8 ng/mL.</p>
Recommend Usage	<p>ELISA</p> <p>Flow Cytometry(1:20-1:200)</p> <p>The optimal working dilution should be determined by the end user.</p>
Storage Buffer	In PBS, pH7.4 (0.03% Proclin 300 and 50% glycerol)
Storage Instruction	<p>Store at -20°C or -80°C.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Flow cytometry analysis of untransfected HEK293 cells (green line) and transfected human CCR4 HEK293 stable cells (red line) stained with CCR4 recombinant monoclonal antibody, clone 12F5 (Cat # RAB07552)(2ug/1\*10<sup>6</sup>cells). The cells were washed and then followed by FITC-conjugated anti-Human IgG Fc antibody.

## Gene Info — CCR4

Entrez GeneID	<a href="#">1233</a>
Protein Accession#	<a href="#">P51679</a>
Gene Name	CCR4
Gene Alias	CC-CKR-4, CD194, CKR4, CMKBR4, ChemR13, HGCN:14099, K5-5, MGC88293
Gene Description	chemokine (C-C motif) receptor 4
Omim ID	<a href="#">604836</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

The protein encoded by this gene belongs to the G-protein-coupled receptor family . It is a receptor for the CC chemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. [provided by RefSeq]

**Other Designations**

chemokine (C-C) receptor 4

## Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Asthma](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)