

# Product Information

## Recombinant Anti-Human ccr5 Antibody

Cat. No.: **MOM-18304**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody binds selectively to Human CCR5, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Receptor for a number of inflammatory CC-chemokines including MIP-1-alpha, MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 R5 isolates.

### Specific Activity

Tested positive against native antigen.

### Target

CCR5

### Source

Mouse

### Species Reactivity

Human

### Type

IgG

### Expression Host

CHO

### Purity

>95.0%, determined by analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in ELISA, FC, IP, FuncS, IF, Neut and most other immunological methods.

### Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

## ANTIGEN GENE INFORMATION

### Gene Name

[CCR5 chemokine \(C-C motif\) receptor 5 \(gene/pseudogene\) \[ Homo sapiens \]](#)

### Official Symbol

CCR5

### Synonyms

CCR5; chemokine (C-C motif) receptor 5 (gene/pseudogene); chemokine (C C motif) receptor 5 , CMKBR5; C-C chemokine receptor type 5; CC CKR 5; CD195; CKR 5; CKR5; IDDM22; chemr13; HIV-1 fusion coreceptor; chemokine receptor CCR5; C-C motif chemokine receptor 5 A159A; CCR-5; CKR-5; CCCKR5; CMKBR5; CC-CKR-5; FLJ78003

### Gene ID

[1234](#)

### mRNA Refseq

[NM\\_000579](#)

### Protein Refseq

[NP\\_000570](#)

### MIM

[601373](#)

### UniProt ID

P51681

### Chromosome Location

3p21

### Pathway

Binding and entry of HIV virion, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

### Function

C-C chemokine binding; C-C chemokine receptor activity; C-C chemokine receptor activity; G-protein coupled receptor activity; actin binding; chemokine (C-C motif) ligand 5 binding; chemokine receptor activity; coreceptor activity; phosphatidylinositol phospholipase C activity; protein binding; receptor activity; signal transducer activity;