

Product Information

Recombinant Anti-Human ccr5 Antibody Fab Fragment

Cat. No.: **MOM-18304-F(P)**

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

Product Overview

Recombinant Mouse Antibody Fab Fragment is specific to Human CCR5, expressed in E. coli

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

Fab

Expression Host

E. coli

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

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

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated 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;