

Product Information

Recombinant Anti-Human CXCR4 Antibody Fab Fragment

Cat. No.: **MOM-H72-F(P)**

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

Product Overview

Recombinant human Antibody Fab Fragment is specific to Human CXCR4, expressed in E. coli

Antigen Description

C-X-C chemokine receptor type 4 (CXCR-4) also known as fusin or CD184 (cluster of differentiation 184) is a protein that in humans is encoded by the CXCR4 gene.

Specific Activity

CXCR4(chemokine (C-X-C motif) receptor 4, fusin, stromal cell-derived factor 1 receptor, SDF-1 receptor, CXCL12 receptor, CD184) [Homo sapiens]

Target

CXCR4

Source

human

Species Reactivity

Human

Type

human Fab-IgG4 - kappa

Expression Host

E. coli

Purity

>95.0% as determined by analysis by SDS-PAGE.

Purification

Purified by Nickel ion affinity chromatography

Applications

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

Cellular Localization

kappa

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

[CXCR4 chemokine \(C-X-C motif\) receptor 4 \[Homo sapiens \]](#)

Official Symbol

CXCR4

Synonyms

CXCR4; chemokine (C-X-C motif) receptor 4; chemokine (C X C motif), receptor 4 (fusin); C-X-C chemokine receptor type 4; CD184; D2S201E; fusin; HM89; HSY3RR; LESTR; NPY3R; NPYR; NPYY3R; CXCR4; CXCR-4; CD184 antigen; SDF-1 receptor; neuropeptide Y receptor Y3; seven transmembrane helix receptor; stromal cell-derived factor 1 receptor; lipopolysaccharide-associated protein 3; seven-transmembrane-segment receptor, spleen; leukocyte-derived seven transmembrane domain receptor; leukocyte-derived seven-transmembrane-domain receptor; FB22; LAP3; LCR1; WHIM; NPYRL;

Gene ID

[7852](#)

mRNA Refseq

[NM_001008540](#)

Protein Refseq

[NP_001008540](#)

MIM

[162643](#)

UniProt ID

P61073

Chromosome Location

2q21

Pathway

Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Binding and entry of HIV virion, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;

Function

C-X-C chemokine receptor activity; G-protein coupled receptor activity; actin binding; coreceptor activity; myosin light chain binding; protein binding; receptor activity; signal transducer activity; ubiquitin binding; ubiquitin protein ligase binding;