

Product Information

MemDX™ Membrane Protein Human CXCR3 (C-X-C motif chemokine receptor 3) for Antibody Discovery

Cat. No.: **MP1345J**

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

This product is a 44.7 kDa Human CXCR3 membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CXCR3

Protein Length

Full-length

Protein Class

GPCR

Molecular Weight

44.7 kDa

TMD

7

Sequence

MVLEVSDHQVLNDAEVAALLENFSSSYDYGENESDSCCTSPPCPQDFSLNFDRAFLPALYSLLFLLGLLGNGAVAAVLLSRRTALSS

Product Description

Expression Systems

E.coli

Tag

N-6xHis

Form

Lyophilized powder

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration).

Purity

>90% as determined by SDS-PAGE

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CXCR3

Full Name

C-X-C motif chemokine receptor 3

Introduction

This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716).

Alternative Names

C-X-C chemokine receptor type 3; CD 183; CD182; CD183; Chemokine (C X C motif) receptor 3; Chemokine (C X C) receptor 3; Chemokine CXC Motif Receptor 3; CKR L2; CKR-L2; CKRL2; CMKAR3; CXC-R3; CXCR-3; CXCR3; CXCR3_HUMAN; G Protein Coupled Receptor 9; G protein-coupled receptor 9; GPR9; Interferon-inducible protein 10 receptor; IP-10 receptor; IP10; IP10 R; IP10 receptor; IP10-R; IP10R; Mig R; Mig receptor; Mig-R; MIGR

Gene ID

[2833](#)

UniProt ID

[P49682](#)