

Product Information

MemDX™ Membrane Protein Human CCR2 (C-C motif chemokine receptor 2) for Antibody

Discovery

Cat. No.: **MP1331J**

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

This product is a 45.4 kDa Human CCR2 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

CCR2

Protein Length

Full-length

Protein Class

GPCR

Molecular Weight

45.4 kDa

TMD

7

Sequence

MLSTSRSRFIRNTNESGEEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIFGFVGNMLVVLILINCKKLKCLTDIYLLNLAISDLLP

Product Description

Activity

Yes

Expression Systems

E.coli

Tag

N-10xHis

Form

Liquid or 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

>85% as determined by SDS-PAGE

Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol

Lyophilized powder: 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

CCR2

Full Name

C-C motif chemokine receptor 2

Introduction

The protein encoded by this gene is a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection. This gene is located in the chemokine receptor gene cluster region of chromosome 3.

Alternative Names

C C chemokine receptor type 2; C C CKR 2; C-C chemokine receptor type 2; C-C CKR-2; CC chemokine receptor type 2; CC CKR 2; CC-CKR-2; CCCKR2; CCR 2; CCR-2; CCR1L; CCR2; CCR2_HUMAN; CCR2A; CCR2B; CCR5L; CD192; CD192 antigen; Chemokine C C motif receptor 2; Chemokine CC Motif Receptor 2; CKR 2; CKR2; CKR2A; CKR2B; CMKBR2; MCP 1 R; MCP-1-R; MCP1 RECEPTOR; MCP1R; Monocyte chemoattractant protein 1 receptor; Monocyte Chemotactic Protein 1 Receptor; Monocyte Chemotactic Protein 1 Receptor

Gene ID

[729230](#)

UniProt ID

[P41597](#)