

# Product Information

## MemDX™ Membrane Protein Human CCR3 (C-C motif chemokine receptor 3) for Antibody

### Discovery

Cat. No.: **MP1332J**

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

This product is a 41 kDa Human CCR3 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

CCR3

#### Protein Length

Full-length

#### Protein Class

GPCR

#### Molecular Weight

41 kDa

#### TMD

7

#### Sequence

MTTSLDTVETFGTTSYYDDVGLLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVMILI  
KYRRLRIMTNIYLLNLAISDLLFLVTLFPWVHIVRGHNWVFGHGMCKLLSGFYHTGLYSE  
IFFIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLAALPEFIFYETEELFEE  
TLCALYPEDTVYSWRHFHTLRMTIFCLVPLLVMAICYTGIIKTLLRCPSKKKYKAIRL  
IFVIMAVFFIFWTPYNVAILLSSYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNPVI  
YAFVGERFRKYLRHFFHRHLLMHLGRYIPFLPSEKLERTSSVSPSTAEPELSIVF

### Product Description

#### Expression Systems

E.coli

#### Tag

N-His or Tag-Free

**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**

>85% 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**

CCR3

**Full Name**

C-C motif chemokine receptor 3

**Introduction**

The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants have been described.

**Alternative Names**

B chemokine receptor; b-chemokine receptor; C C chemokine receptor type 3; C C CKR 3; C-C chemokine receptor type 3; C-C CKR-3; CC chemokine receptor 3; CC chemokine receptor type 3; CC CKR 3; CC R3; CC-CKR-3; CCCKR3; CCR 3; CCR-3; CCR3; CCR3\_HUMAN; CD 193; CD193; CD193 antigen; Chemokine (C C motif) receptor 3; chemokine (C-C motif) receptor 3; Chemokine (CC) receptor 1 like 2; Chemokine CC motif receptor 3; Chemokine receptor 3; CK R3; CKR 3; CKR3; CMKB R3; CMKBR 3; CMKBR1L2; CMKBR3; Eosinophil CC chemokine receptor 3; Eosinophil eotaxin receptor; Eotaxin receptor; Macrophage inflammatory protein 1 alpha receptor like 2; MGC102841; MIP1 Alpha RL2

**Gene ID**

[1232](#)

**UniProt ID**

[P51677](#)