

Product Information

MemDX™ Membrane Protein Human CCR7 (C-C motif chemokine receptor 7) Expressed in *E.coli* with 10xHis tag at the N-terminus, Myc tag at the C-terminus for Antibody Discovery, Partial (332-378aa)

Cat. No.: **MPX4123K**

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

This product is a 13.0 kDa Human CCR7 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

CCR7

Protein Length

Partial (332-378aa)

Protein Class

GPCR

Molecular Weight

13.0 kDa

TMD

7

Sequence

KFRNDLFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAETTTTFSP

Product Description

Expression Systems

E.coli

Tag

10xHis tag at the N-terminus, Myc tag at the C-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>85% as determined by SDS-PAGE.

Buffer

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

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CCR7

Full Name

C-C motif chemokine receptor 7

Introduction

The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants.

Alternative Names

BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7; C-C chemokine receptor type 7; Bukitt's lymphoma receptor 2; CC chemokine receptor 7; EBV-induced G protein-coupled receptor 1; Epstein-Barr virus induced gene 1; Epstein-Barr virus-induced G-protein coupled receptor 1; MIP-3 beta receptor; chemokine (C-C motif) receptor 7; lymphocyte-specific G protein-coupled peptide receptor; CCR7; C-C motif chemokine receptor 7

Gene ID

[1236](#)

UniProt ID

[P32248](#)