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Product Information

MemDX™ Membrane Protein Human CCR7 (C-C motif chemokine receptor 7) expressed in E.coli for Antibody Discovery

Cat. No.: **MP1336J**
This product is for research use only and is not intended for diagnostic use.

This product is 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 (25-378aa)

Protein Class
GPCR

TMD
7

Sequence
QDEVTDDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFVGLLGNGLVVLTYI
YFKRLKTMTDTYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGM
LLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSCVGIWILATVLSIPELLYSDLQRSSS
EQAMRCSLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVIIRTLLQARNFERNKAIKV
IIAVVVVFIVFQLPYNGVVLAQTVANFNITSSTCELSKQLNIAYDVTYSLACVRCCVNPF
LYAFIGVKFRNDLFKLFKDLGCLSQEQLRQWSSCRHIRRSSMSVEAETTTTFSP

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

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

BLR 2; BLR2; C C chemokine receptor type 7; C C CKR 7; C-C chemokine receptor type 7; C-C CKR-7; CC chemokine receptor 7; CC chemokine receptor type 7; CC CKR 7; CC-CKR-7; CCCKR7; CCR 7; CCR-7; Ccr7; CCR7_HUMAN; CD 197; CD197; CD197 antigen; CDw197; Chemokine (C C motif) receptor 7; Chemokine (C C) receptor 7; Chemokine C C motif receptor 7; Chemokine C C receptor 7; Chemokine receptor 7; Chemokine receptor 7-like protein; CMKBR7; EBI 1; EBI1; Ebi1h; EBV Induced G Protein Coupled Receptor 1; EBV-induced G-protein coupled receptor 1; Epstein Barr virus induced G protein coupled receptor; Epstein Barr virus induced gene 1; Epstein-Barr virus-induced G-protein coupled receptor 1; EVI 1; EVI1; Lymphocyte Specific G Protein Coupled Peptide Receptor; MGC108519; MIP 3 beta receptor; MIP-3 beta receptor; MIP3 Beta Receptor

Gene ID

1236

UniProt ID

P32248