

Product Information

MemDX™ Recombinant Human CCR6 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-010**

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

This product is recombinant Human CCR6 in VLPs form. This product is produced from mammalian cells by co-expressing the retroviral structural core polypeptide (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species

Human

Target Protein

CCR6

Protein Length

Full length

Protein Class

GPCR

TMD

7

Product Description

Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems

HEK293 expression system

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Storage

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

Target

Target Protein

CCR6

Full Name

C-C motif chemokine receptor 6

Introduction

This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene.

Alternative Names

BN-1; DCR2; DRY6; CCR-6; CD196; CKRL3; GPR29; CKR-L3; CMKBR6; GPRCY4; STRL22; CC-CKR-6; C-C CKR-6; C-C chemokine receptor type 6; G protein-coupled receptor 29; LARC receptor; chemokine (C-C motif) receptor 6; chemokine (C-C) receptor 6; chemokine receptor-like 3; seven-transmembrane receptor, lymphocyte, 22

Gene ID

[1235](#)

UniProt ID

[P51684](#)