

Product Information

MemDX™ Recombinant Human CCR10 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-011**

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

This product is recombinant Human CCR10 in VLPs form. This product is produced from mammalian cells by co-expressing the retroviral structural core polyprotein (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

CCR10

Protein Length

Full length

Protein Class

GPCR

TMD

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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

CCR10

Full Name

C-C motif chemokine receptor 10

Introduction

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CCR10 is the receptor for CCL27; CCR10-CCL27 interactions are involved in T cell-mediated skin inflammation.

Alternative Names

GPR2; C-C chemokine receptor type 10; C-C CKR-10; CC chemokine receptor 10; CC-CKR-10; CCR-10; G-protein coupled receptor 2; chemokine (C-C motif) receptor 10

Gene ID

[2826](#)

UniProt ID

[P46092](#)