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Product Information

MemDX™ Recombinant Human CCR4 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX55**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human CCR4 in VLPs form. This product is produced from HEK293 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
CCR4

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
43.2 kDa

TMD
7

Sequence
MNPTDIADTTLDESIYSNYYLYESIPKPCTKEGIKAFGELFLPPLYSLVFVFGLLGNSVVVLVLFKYKRLRSMTDVYLLNLAISDLLFVFS

Product Description

Activity
Yes

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

Expression Systems
HEK293 expression system

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Tag

10xHis tag at the C-terminus

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Endotoxin

<1.0 EU per μg by the LAL method

Buffer

PBS, 6% Trehalose, pH 7.4

Storage

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

Target

Target Protein

CCR4

Full Name

C-C motif chemokine receptor 4

Introduction

The protein encoded by this gene belongs to the G-protein-coupled receptor family . It is a receptor for the CC chemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The 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.

Alternative Names

CKR4; K5-5; CD194; CMKBR4; ChemR13; CC-CKR-4; HGCN:14099; C-C chemokine receptor type 4; C-C CKR-4; CCR-4; chemokine (C-C motif) receptor 4; chemokine (C-C) receptor 4; CCR4; C-C motif chemokine receptor 4

Gene ID

1233

UniProt ID

Q9ULM6

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