

Product Information

MemDX™ Membrane Protein Human CCR7 (C-C motif chemokine receptor 7) for Antibody

Discovery

Cat. No.: **MP0640J**

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

This product is a 40.2 kDa Human CCR7 membrane protein expressed in HEK293T. 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

Full-length

Protein Class

Druggable Genome, GPCR, Transmembrane

Molecular Weight

40.2 kDa

TMD

7

Sequence

MDLGKPMKSVLVVALLVIFQVCLCQDEVTDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICF
VGLLGNGLVVLTYIYFKRLKTMTDTYLLNLAVADILFLLTPFWAYSAAKSWVFGVHFCKLIFAIYKMSF
FSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGIWILATVLSIPELLYSDLQRSSSEQAMRC
SLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVII RTLLQARNFERNKAIKVIIAVVVVFIVFQLPYN
GVVLAQTVANFNITSSTCELSKQLNIAVDVTYSLACVRCCVNPFLYAFIGVKFRNDLFLKFLKDLGCLSQE
QLRQWSSCRHIRRSSMSVEAETTTTFSP

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

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

BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7

Gene ID

[1236](#)

UniProt ID

[P32248](#)