

# 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  
FSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSVGIWILATVLSIPELLYSDLQRSSESEQAMRC  
SLITEHVEAFITIQVAQMVIGFLVPLLAMSFCYLVII RTLLQARNFERNKAIKVIIAVVVVFIVFQLPYN  
GVVLAQTVANFNITSSTCELSKQLNIAVDV TYSLACVRCCVNPFLYAFIGVKFRNDL FKLFDLGLCSQE  
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](#)