

Product Information

MemDX™ Mouse CCR8 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX95**

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

Product Information

Target Protein

CCR8

Target Protein Species

Mouse

Accession Number

NM_007720.2

Protein Tag

Tag-free

Host Cell Type

HEK293T

Target Classification

GPCR

Target Family

Chemokine Receptors

Target Research Area

Cancer Research; Infectious Research; Inflammation Research

Related Diseases

Molluscum Contagiosum; Kaposi Sarcoma

Product Properties

Morphology

Fibroblastoid cells growing as a monolayer

Assay Types

Drug screening and biological assays

Resistance

Puromycin

Mycoplasma Testing

Negative

Sterility Testing

10 passages

Biosafety Level

Level 1

Activity

Yes

Quantity

5x10⁶ cells

Form

Frozen cells

Freeze Medium

70% DMEM + 20% FBS + 10% DMSO

Culture Medium

DMEM + 10% FBS + 0.5µg/mL Puromycin

Selective Antibiotic(s)

Regular antibiotics active against mycoplasmas, bacteria and fungi.

Handling Notes

Frozen cells should be thawed immediately upon receipt and grown according to handling procedure to ensure cell viability and proper assay performance.

Note: Do not freeze the cells upon receipt as it may result in irreversible damage to the cell line.

Disclaimer: We cannot guarantee cell viability if the cells are not thawed immediately upon receipt and grown according to handling procedure.

Incubation

37°C with 5% CO₂

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO₂ to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening and functional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

Chemokine (C-C motif) receptor 8

Introduction

Enables C-C chemokine receptor activity. Acts upstream of or within chemotaxis. Predicted to be located in plasma membrane. Predicted to be integral component of membrane. Predicted to be active in external side of plasma membrane. Is expressed in central nervous system; retina; and thymus primordium. Orthologous to human CCR8 (C-C motif chemokine receptor 8).

GPCR Signaling Pathway

The endogenous ligand is CC chemokines. Targeted protein activation can cause binding of Gi to Go protein which, in turn, cause an inhibition of adenylate cyclase and then decrease of cAMP concentration.

G coupling

Gi & Go

Endogenous Ligand

CC chemokines

Alternative Names

C-C; CCR-8; CKR-8; mCCR8; Cmkbr8; CC-CKR-8; C-C CKR-8; C-C chemokine receptor type 8; C-C motif chemokine receptor 8

Gene ID

[12776](#)

UniProt ID

[P56484](#)