

Product Information

MemDX™ Human HAVCR2 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX337**

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

Product Information

Target Protein

HAVCR2

Target Protein Species

Human

Accession Number

NM_032782.4

Protein Tag

Tag-free

Host Cell Type

HEK293T

Target Classification

Immune Checkpoint

Target Family

Immune Checkpoint

Target Research Area

Cancer Research; Immunology Research

Related Diseases

T-Cell Lymphoma; Subcutaneous Panniculitis-Like; Hepatitis A

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

Introduction

The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance.

Alternative Names

HAVCR2; TIM3; CD366; KIM-3; SPTCL; TIMD3; Tim-3; TIMD-3; HAVcr-2; T cell immunoglobulin mucin 3; T-cell immunoglobulin and mucin domain-containing protein 3; T-cell immunoglobulin mucin family member 3; T-cell immunoglobulin mucin receptor 3; T-cell membrane protein 3; kidney injury molecule-3; Hepatitis A virus cellular receptor 2

Gene ID

[84868](#)

UniProt ID

[Q8TDQ0](#)