

Product Information

MemDX™ Mouse PDCD1 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX111**

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

Product Information

Target Protein

PDCD1

Target Protein Species

Mouse

Protein Tag

Tag-free

Host Cell Type

HEK293T

Target Classification

Immune Checkpoint

Target Family

Immune Checkpoint

Target Research Area

Autoimmune Research; Cancer Research; Immunology Research

Related Diseases

Systemic Lupus Erythematosus; Multiple Sclerosis

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

Programmed cell death 1

Introduction

Involved in negative regulation of immune response. Acts upstream of or within negative regulation of apoptotic process; negative regulation of tolerance induction; and positive regulation of apoptotic process. Located in external side of plasma membrane. Is expressed in retina. Used to study dilated cardiomyopathy and systemic lupus erythematosus. Human ortholog(s) of this gene implicated in autoimmune disease (multiple); hepatitis B; hepatitis C; hepatocellular carcinoma; and lupus nephritis. Orthologous to human PDCD1 (programmed cell death 1).

Alternative Names

PD-1; Pdc1; Ly101; programmed cell death protein 1; mPD-1; programmed cell death 1 protein; protein PD-1

Gene ID

[18566](#)

UniProt ID

[Q02242](#)