

Product Information

MemDX™ Human CD28 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX341**

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

Product Information

Target Protein

CD28

Target Protein Species

Human

Accession Number

NM_006139.4

Protein Tag

Tag-free

Host Cell Type

HEK293T

Target Classification

CD

Target Family

CD

Target Research Area

Infectious Research; Inflammation Research

Related Diseases

Mycosis Fungoides; Sezary's Disease

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

CD28 molecule

Introduction

The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CD28; Tp44; T-cell-specific surface glycoprotein CD28; CD28 molecule

Gene ID

[940](#)

UniProt ID

[P10747](#)