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Product Information

MemDX™ Human TNFRSF18 HT1080 Cell Line

Cat. No.: **S01YF-0123-KX351**
This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein
TNFRSF18

Target Protein Species
Human

Accession Number
NM_004195.2

Protein Tag
Tag-free

Host Cell Type
HT1080

Target Classification
Immune Checkpoint

Target Family
Immune Checkpoint

Target Research Area
Autoimmune Research; Immunology Research

Related Diseases
Immunodysregulation; Polyendocrinopathy; Enteropathy; X-Linked and Diverticulitis

Product Properties

Morphology
Epithelial

Assay Types
Drug screening and biological assays

Resistance
Puromycin

Mycoplasma Testing

Negative

Sterility Testing

10 passages

Biosafety Level

Level 1

Activity

Yes

Quantity

5x10^6 cells

Form

Frozen cells

Freeze Medium

70% RPMI 1640 + 20% FBS + 10% DMSO

Culture Medium

RPMI 1640 + 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% CO_2

Applications

Drug screening and biological assays

Application Notes

Cells were plated in a 384-well plate and incubated overnight at 37°C and 5% CO_2 to allow the cells to attach and grow. Cells were then stimulated with a control for high-throughput drugs screening andfunctional assays.

Use Restrictions

These cells are distributed for research use only.

Shipping

Dry ice

Storage

Liquid nitrogen

Target

Full Name

TNF receptor superfamily member 18

Introduction

This gene encodes a member of the TNF-receptor superfamily. The encoded receptor has been shown to have increased expression upon T-cell activation, and it is thought to play a key role in dominant immunological self-tolerance maintained by CD25(+)CD4(+) regulatory T cells. Knockout studies in mice also suggest the role of this receptor is in the regulation of CD3-driven T-cell activation and programmed cell death. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Alternative Names

TNFRSF18; AITR; GITR; CD357; GITR-D; ENERGEN; tumor necrosis factor receptor superfamily member 18; TNF receptor superfamily activation-inducible protein; activation-inducible TNFR family receptor; glucocorticoid-induced TNFR-related protein; TNF receptor superfamily member 18

Gene ID

8784

UniProt ID

Q9Y5U5

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