

Product Information

MemDX™ Human TNFRSF4 HT1080 Cell Line with NFkb-Luc2 Reporter

Cat. No.: **S01YF-1222-KX893**

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

Product Information

Target Protein

TNFRSF4

Target Protein Species

Human

Accession Number

NM_003327.4

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

Immunodeficiency; Kaposi Sarcoma

Product Properties

Morphology

Epithelial

Assay Types

Drug screening and biological assays

Assay Reporter

NFkB-Luc2

Resistance

Puromycin; Hygromycin

Stability

10 passages

Mycoplasma Testing

Negative

Biosafety Level

Level 1

Activity

Yes

Quantity

5x10⁶ cells

Form

Frozen cells

Freeze Medium

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

Culture Medium

RPMI 1640 + 10% FBS + 150µg/mL Hygromycin + 1µg/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

TNF receptor superfamily member 4

Introduction

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation.

Alternative Names

TNFRSF4; OX40; ACT35; CD134; IMD16; TXGP1L; tumor necrosis factor receptor superfamily member 4; ACT35 antigen; ATC35 antigen; CD134 antigen; OX40 antigen; OX40 cell surface antigen; OX40 homologue; OX40L receptor; TAX transcriptionally-activated glycoprotein 1 receptor; lymphoid activation antigen ACT35; tax-transcriptionally activated glycoprotein 1 receptor; TNF receptor superfamily member 4

Gene ID

[7293](#)

UniProt ID

[P43489](#)