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Product Information

MemDX™ Human CEACAM5 HEK293T Cell Line

Cat. No.: **S01YF-0123-KX326**
This product is for research use only and is not intended for diagnostic use.

Product Information

Target Protein
CEACAM5

Target Protein Species
Human

Accession Number
NM_004363.2

Protein Tag
Tag-free

Host Cell Type
HEK293T

Target Classification
Others

Target Family
Others

Target Research Area
Cancer Research

Related Diseases
Bile Duct Cancer; Lung Cancer

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

5x10^6 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% 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

CEA cell adhesion molecule 5

Introduction

This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

Alternative Names

CEA; CD66e; carcinoembryonic antigen-related cell adhesion molecule 5; carcinoembryonic antigen related cell adhesion molecule 5; meconium antigen 100

Gene ID

1048

UniProt ID

P06731