

CHO-EPCAM | 305974

CHO-EPCAM

Description

CHO-EPCAM (CD326) is a cell line derived from CHO cells expressing the human EPCAM (CD326) protein. The cells are grown in DMEM/F12 medium supplemented with 10% FBS. The cells are used for the study of EPCAM expression and function.

CHO-EPCAM (CD326) (CHO) cells are grown in DMEM/F12 medium supplemented with 10% FBS. The cells are used for the study of EPCAM expression and function.

Organism

CHO

Tissue

Epithelial

Disease

EpCAM (CD326) is a cell surface protein that is expressed on a variety of epithelial cells. It is involved in cell-cell interactions and is a marker for many types of cancer.

Applications

CHO-EPCAM (CD326) cells are used for the study of EPCAM expression and function. They are also used for the study of cell-cell interactions and for the study of the role of EPCAM in cancer.

CHO-EPCAM

Age

CHO-EPCAM (CD326) cells are grown in DMEM/F12 medium supplemented with 10% FBS.

Gender

CHO-EPCAM (CD326) cells are grown in DMEM/F12 medium supplemented with 10% FBS.

Morphology

CHO-EPCAM (CD326) cells are grown in DMEM/F12 medium supplemented with 10% FBS.

Cell type

CHO-EPCAM (CD326) cells are grown in DMEM/F12 medium supplemented with 10% FBS.

Growth properties

CHO-EPCAM (CD326) cells are grown in DMEM/F12 medium supplemented with 10% FBS.

CHO-EPCAM

Citation

CHO-EPCAM (CD326) Cytion 305974

Biosafety level

1

NCBI_TaxID

10029

CellosaurusAccession

CVCL_D2TL

CHO-EPCAM | 305974

GMO Status GMO-S1: CHO EpCAM

Receptors expressed EpCAM (CD326)

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 / w: 2.5 L- , w: 15
CHO A (InSCREENeX; InSCREENeX I

Supplements FBS 5% Geneticin (G418-Sulfat) 0.5

Dissociation Reagent -EDTA

Doubling time 14-16

Subculturing PB S

Split ratio 1 : 5

Seeding density 2×10^4 /

Fluid renewal 2-3

Post-Thaw Recovery 1:2 : 1:3 T25

Freeze medium (FBS) + 10% DMSO

CHO-EPCAM | 305974

**Thawing and
Culturing Cells**

1. Thaw cells quickly in a water bath at 37°C.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 15 ml of complete medium.
4. Seed cells into a T75 flask at 70% confluency.
5. Incubate cells at 37°C, 5% CO₂.
6. Harvest cells when they reach 80-90% confluency.
7. Seed cells into a T75 flask at 70% confluency.
8. Incubate cells at 37°C, 5% CO₂.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Cells are shipped in a dry ice container at -150 °C.

**Storage
Conditions**

Cells can be stored at -150 °C for up to 12 months.

Sterility

Cells are tested for mycoplasma contamination using PCR.

Cells are tested for mycoplasma contamination using PCR.