

Product sheet

CHO-TACD2 | 305415

CHO TACD2

Description

CHO-TACD2 (TROP2) cells are a derivative of CHO cells, which are a commonly used cell line for the production of recombinant proteins. These cells are stably transfected with the TACD2 gene, which encodes the Tropomyosin receptor kinase 2 (TROP2) protein. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 µg/ml hygromycin B. The cells are typically grown in 25 cm² tissue culture flasks.

Organism CHO cells

Tissue CHO cells

Disease TROP2 (GA733-1) related diseases

Applications TROP2 ADC, TROP2 siRNA, TROP2 knockdown, TROP2 overexpression, TROP2 signaling studies

CHO TACD2

Age CHO cells

Gender CHO cells

Morphology CHO cells

Cell type CHO cells

Growth properties CHO cells

CHO TACD2

Citation CHO-TACD2 (CHO TACD2) Cytion 305415

Biosafety level 1

NCBI_TaxID 10029

CellosaurusAccession CVCL_A8X3

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GMO Status GMO-S1: CHO CHO TACD2

Receptors expressed TACD2 (TROP2 GA733-1)

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-HEPES, w: 15 mM HEPES, w: 0.5 mM 820400a)
CHO Growth Medium A (InSCREENeX; InSCREENeX INS-ME-1039)

Supplements 5% FBS. Geneticin (G418-Sulfat) 0.5 µg/µl

Dissociation Reagent EDTA

Doubling time 14-16

Subculturing PBS CO2' 2-3

Split ratio 1:5

Seeding density 2.5 x 10⁵/ml

Fluid renewal 2-3

Post-Thaw Recovery 1:2 1:3 T25 24

Freeze medium (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Transfer the cells to a pre-warmed T25 flask containing 10 mL of complete medium.
2. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
3. Pass the cells into a larger flask (e.g., T75 or T175) when they reach 70-80% confluency.
4. Seed cells into a flask containing 15 mL of complete medium. The final cell density should be approximately 1.5 x 10⁶ cells per flask.
5. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
6. Harvest the cells by trypsinization. Seed cells into a flask containing 10 mL of complete medium. The final cell density should be approximately 1.5 x 10⁶ cells per flask.
7. Incubate the cells at 37°C in 5% CO₂ until they reach 70-80% confluency.
8. Harvest the cells by trypsinization. Seed cells into a flask containing 10 mL of complete medium. The final cell density should be approximately 1.5 x 10⁶ cells per flask.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing Procedure

Resuspend cells in freezing medium and store at -80°C.

Shipping Conditions

Store at -80°C during shipping.

Storage Conditions

Store at -150°C for up to 196 weeks.

CHO-TACD2 / CHO-TACD2 / HLA

Sterility

Cells are tested for sterility using PCR and other methods. No contamination was detected.