

Product sheet

CHO-B7H3 CHO-B7H3 | 305417

CHO-B7H3

Description

CHO-B7H3 is a Chinese ham ovary (CHO) cell line that is stably transfected with the human B7-H3 gene. The cells are grown in DMEM supplemented with 10% fetal bovine serum (FBS) and 100 µg/ml hygromycin B. The B7-H3 protein is expressed on the cell surface and is recognized by anti-B7-H3 antibodies.

Organism CHO

Tissue CHO

CHO-B7H3

Age CHO

Gender CHO

Morphology CHO

Growth properties CHO

CHO-B7H3

Citation CHO-B7H3 (NCBI TaxID 305417)

Biosafety level 1

NCBI_TaxID 10029

GMO Status CHO-B7H3-S1

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Receptors expressed B7H3 (CD276)

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Culture Medium DMEM: DMEM:Ham's F12 (1:1) 3.1 µg/ml Insulin, 2.5 µg/ml Transferrin, 15 µg/ml Selenium (1:1:1) (100x) (100x) CHO A (InSCREENeX InSCREENeX INS-ME-1039)

Supplements 5% FBS, G418-Sulfat 0.5 mg/ml

Dissociation Reagent Trypsin-EDTA

Subculturing 1:2 to 1:3

Fluid renewal 2-3 times per week

Post-Thaw Recovery 1:2 to 1:3 in T25 flasks

Freeze medium (5% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Dilute cells into pre-warmed medium.
 3. Seed cells into T25 flasks.
 4. Allow cells to recover for 70% confluency.
 5. Monitor cell growth and morphology.
 6. Perform subcultures at 300x magnification.
 7. Harvest cells at 10x magnification.
 8. Store cells in liquid nitrogen.

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Incubation Atmosphere 37 °C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Harvest cells, wash with PBS, resuspend in freezing medium, aliquot into cryovials, freeze at -80 °C

Shipping Conditions Dry ice, -80 °C

Storage Conditions -150 °C to -196 °C

HLA

Sterility Sterile, PCR negative