

Product sheet

CHO-B7H3 | 305417

CHO-B7H3

Description

CHO-B7H3 is a CHO cell line derived from CHO (Chinese hamster ovary) cells, which are a widely used mammalian cell line for the production of recombinant proteins. B7H3 is a monoclonal antibody that binds to the CD276 receptor. CHO-B7H3 cells are used for the production of B7H3 antibody.

Organism CHO

Tissue CHO

CHO-B7H3

Age CHO

Gender CHO

Morphology CHO

Growth properties CHO

CHO-B7H3

Citation CHO-B7H3 (CHO-B7H3 Cytion 305417)

Biosafety level 1

NCBI_TaxID 10029

GMO Status GMO-S1: CHO CHO-B7H3

CHO-B7H3

Receptors expressed B7H3 (CD276)

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

Supplements
5% FBS. Geneticin (G418-Sulfat) 0.5 mg/ml

Dissociation Reagent
Trypsin-EDTA

Subculturing
Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 5% FBS and Geneticin (G418-Sulfat) 0.5 mg/ml in 25 cm² flasks at 37°C, 5% CO₂. Cells are passaged every 2-3 weeks.

Fluid renewal
2-3 times per week

Post-Thaw Recovery
After thawing, cells are seeded into 25 cm² flasks at a density of 1:2 or 1:3 in DMEM:Ham's F12 (1:1) supplemented with 5% FBS and Geneticin (G418-Sulfat) 0.5 mg/ml. Cells are cultured at 37°C, 5% CO₂ until they reach confluence.

Freeze medium
DMEM:Ham's F12 (1:1) supplemented with 5% FBS, 10% DMSO and Geneticin (G418-Sulfat) 0.5 mg/ml.

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Dilute cells into DMEM:Ham's F12 (1:1) supplemented with 5% FBS and Geneticin (G418-Sulfat) 0.5 mg/ml.
 3. Seed cells into 25 cm² flasks.
 4. Incubate cells at 37°C, 5% CO₂ until they reach 70% confluence.
 5. Harvest cells by trypsinization.
 6. Count cells and seed into new flasks at a density of 300 x 10³ cells per flask.
 7. Incubate cells at 37°C, 5% CO₂ until they reach 70% confluence.
 8. Harvest cells by trypsinization.

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Incubation Atmosphere 37°C, 5% CO₂, α -MEM

Flask Coating Cell culture medium, 10% FBS

Freezing Procedure 10% FBS, 10% DMSO, 80% MEM, -78°C

Shipping Conditions -78°C

Storage Conditions -150 to 196 °C

CHO-B7H3 / CHO-B7H3 / HLA

Sterility PCR, α -MEM, 10% FBS, 10% DMSO, 80% MEM