

Product sheet

CHO-B7H3 | 305417

CHO-B7H3

Description CHO-B7H3 is a CHO (Chinese Hamster Ovary) cell line derived from CHO-K1 cells. It is a stable transfectant of CHO-K1 cells expressing the B7-H3 protein. The cells are used for the production of recombinant B7-H3 protein. The cells are grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin, transferrin, and selenium (ITS) supplement. The cells are maintained in a humidified atmosphere of 5% CO₂ at 37°C.

Organism CHO (Chinese Hamster Ovary)

Tissue CHO (Chinese Hamster Ovary)

Disease B7H3 (CD276)

Applications ADCC/CDC; B7H3

CHO-B7H3

Age

Gender

Morphology

Cell type

Growth properties

CHO-B7H3

Citation CHO-B7H3 (Cytion 305417)

Biosafety level 1

NCBI_TaxID 10029

CellosaurusAccession CVCL_A8V5

Product sheet

CHO-B7H3 | 305417

GMO Status GMO-S1: CHO B7-H3

Receptors expressed 7 (276)

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 x 10⁴ /

Fluid renewal 2 : 3

Post-Thaw Recovery 1:2 1:3 T25

Freeze medium (FBS) + 10% DMSO

CHO-B7H3 | 305417

Thawing and Culturing Cells

1.

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2.

2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of medium.
3.

3. Seed the cells into a flask coated with 70% confluency.
4.

4. Incubate the cells at 37°C in a 5% CO₂ atmosphere.
5.

5. Harvest the cells when they reach 70-80% confluency.
6.

6. Seed the cells into a flask coated with 70% confluency.
7.

7. Incubate the cells at 37°C in a 5% CO₂ atmosphere.
8.

8. Harvest the cells when they reach 70-80% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing Procedure

1. Harvest cells from a flask at 70-80% confluency. Wash cells with PBS. Add 1 ml of freezing medium to the flask. Scrape cells into the medium. Centrifuge at 300 x g for 3 minutes. Resuspend the cell pellet in 1 ml of freezing medium. Aliquot into cryovials. Freeze at -150°C.

Shipping Conditions

Store at -150°C. Ship on dry ice at -196°C.

Storage Conditions

Store at -150°C. Ship on dry ice at -196°C.

CHO-B7H3 / HLA

Sterility

PCR negative. Sterility tested by PCR. No contamination detected.