

**CHO-B7H3 CHO-B7H3 | 305417**

**CHO-B7H3**

**Description**

CHO-B7H3 is a CHO cell line derived from CHO-K1 cells expressing the B7H3 protein. It is used for the production of B7H3-Fc fusion proteins. The cells are maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml insulin, transferrin, and selenium (ITS). For production, cells are grown in DMEM/F12 medium supplemented with 10% FBS and 100 ng/ml ITS. The B7H3 protein is expressed as a soluble protein with a C-terminal tag.

**Organism** *Homo sapiens*

**Tissue** CHO

**CHO-B7H3**

**Age** 1-3 months

**Gender** Male

**Morphology** Adherent

**Growth properties** Adherent

**CHO-B7H3**

**Citation** CHO-B7H3 (NCBI TaxID 10029) | 305417

**Biosafety level** 1

**NCBI\_TaxID** 10029

**GMO Status** CHO-B7H3-S1: CHO cells expressing B7H3 protein

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**Receptors expressed** B7H3 (CD276)

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## CHO-B7H3

**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. Centrifuge cells at 300 x g for 3 minutes.
  3. Wash cells with PBS.
  4. Resuspend cells in 70% DMEM.
  5. Seed cells into T25 flasks.
  6. Incubate cells for 15-24 hours.
  7. Add 10% FBS to the medium.
  8. Monitor cell growth.

Product sheet

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**Incubation Atmosphere** 37 °C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Cell culture medium

**Freezing Procedure** Harvest cells, wash with PBS, resuspend in freezing medium, aliquot into 1 ml vials, store at -80 °C

**Shipping Conditions** Dry ice, -78 °C

**Storage Conditions** -150 °C to -196 °C

CHO-B7H3 / CHO-B7H3 / HLA

**Sterility** Sterile, PCR negative