

CHO-CXCR7 | 305412MH

General information

Description	CHO-CXCR7-Medium-high CHO (Chinese Hamster Ovary) CXCR7 G CXCL12 CXCL11 CXCR7
Organism	
Tissue	
Disease	Chinese hamster ovary, non-neoplastic; genetically engineered for CXCR7 (ACKR3) surface expression (medium-high expression level)
Applications	Antibody screening; CXCR7-targeted therapy development; chemokine receptor biology; tumor microenvironment research; flow cytometry
Synonyms	CHO-CXCR7

Cell characteristics

Age	
Gender	
Morphology	
Cell type	Epithelial cells
Growth properties	/

Additional information

Citation	CHO-CXCR7 (Cytion 305412MH)
Biosafety level	1

Product sheet

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NCBI_TaxID	10029
CellosaurusAccession	CVCL_A8W2
GMO Status	GMO-S1: This CHO cell line contains a construct supporting medium-to-high expression of human CXCR7 for chemokine receptor research. This classification applies only within Germany and may differ elsewhere.

Receptors expressed	CXCR7 (ACKR3)
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Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/l / w: 2.5 g/l L-Ascorbic acid, w: 15 mg/l InSCREENeX; InSCREENeX INS-ME-1039
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Supplements	FBS 5% Geneticin (G418-Sulfat) 0.5 mg/ml
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Dissociation Reagent	EDTA
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Doubling time	approx. 14-16 hours
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Subculturing	1:2 to 1:5
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Split ratio	1 to 5
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Seeding density	2 to 5 x 10 ⁴ cells/cm ²
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Fluid renewal	2 to 3 times per week
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Post-Thaw Recovery	1:2 to 1:3 in T25 flasks
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Freeze medium	(FBS) + 10% DMSO
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**Thawing and
Culturing Cells**

1. Thaw cells rapidly at 37°C.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 10 ml of complete medium.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate cells at 37°C, 5% CO₂, humidified atmosphere.
6. Harvest cells when they reach 70-80% confluency.
7. Perform a cell count and passage the cells.
8. Store cells in liquid nitrogen for long-term storage.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified atmosphere.

**Shipping
Conditions**

Cryopreserved cell lines are shipped on dry ice in validated, insulated packaging with sufficient refrigerant to maintain approximately -78 °C throughout transit. On receipt, inspect the container immediately and transfer vials without delay to appropriate storage.

**Storage
Conditions**

For long-term preservation, place vials in vapor-phase liquid nitrogen at about -150 to -196 °C. Storage at -80 °C is acceptable only as a short interim step before transfer to liquid nitrogen.

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are found to be free of mycoplasma contamination.