

CHO-CXCR7 | 305412MH

Description

CHO-CXCR7-Medium-high	CXCR7	CHO
CXCR7		CHO-CXCR7-Medium-high

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

Age

Gender

Morphology

Cell type Epithelial cells

Growth properties

Citation CHO-CXCR7 Medium-high (Cytion 305412MH)

Biosafety level 1

NCBI_TaxID 10029

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CellSaurusAccession 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)

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 Sodium pyruvate w:1.2 g/L NaHCO₃ Cytion 820400a CHO A InSCREENeX InSCREENeX INS-ME-1039

Supplements 5 FBS 0.5 mg/mL Geneticin G418-Sulfat

Dissociation Reagent -EDTA

Doubling time approx. 14-16 hours

Subculturing PBS PBS Trypsin/EDTA T25

Split ratio 1 to 5

Seeding density 2 to 5 x 10⁴ cells/cm²

Fluid renewal 2 3

Post-Thaw Recovery T25 1:2 1:3 24

Freeze medium FBS 10 DMSO

CM-1 C

Product sheet

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Thawing and
Culturing Cells

- | | | | | |
|----|-----------|------|-------|-------|
| 1. | | | | |
| 2. | | -150 | | 3 |
| 3. | | 37 | | 40 60 |
| 4. | 70 | | | |
| 5. | | 8ml | 15ml | |
| 6. | 300 x g 3 | | | |
| 7. | 10ml | | 2 T25 | |
| 8. | | | | |

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

PCR