

CHO-CXCR7 | 305412L

Description

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

Organism

Tissue

Disease	Chinese hamster ovary, non-neoplastic; genetically engineered for CXCR7 (ACKR3) surface expression (low expression level)
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Applications	Antibody screening; CXCR7-targeted therapy development; chemokine receptor biology; tumor microenvironment research; flow cytometry
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Synonyms	CHO-CXCR7
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Age

Gender

Morphology

Cell type	Epithelial cells
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Growth properties	/
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Citation	CHO-CXCR7 Medium-high Cytion 305412MH
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Biosafety level	1
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NCBI_TaxID	10029
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Product sheet

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CellosaurusAccession CVCL_A8W1

GMO Status GMO-S1: This CHO cell line contains a recombinant CXCR7 expression cassette at low levels, suitable for controlled receptor-ligand studies. This classification applies only within Germany and may differ elsewhere.

Receptors expressed CXCR7 ACKR3

Culture Medium A DMEM:Ham's F12 (1:1) w: 3.1 g/L w: 2.5 mM L- w: 15 mM HEPES w: 0.5 mM w: 1.2 g/L NaHCO3 Cytion
InSCREENeX InSCREENeX INS-ME-1039

Supplements 5% FBS G418- 0.5 mg/mL

Dissociation Reagent -EDTA

Doubling time approx. 14-16 hours

Subculturing PBS PBS /EDTA T25 1 T75 3 37°C

Split ratio 1 to 5

Seeding density 2 to 5 x 10⁴ cells/cm²

Fluid renewal 2 3

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

Freeze medium FBS +10% DMSO CM-1 Cytion 800100

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Thawing and
Culturing Cells

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