

CHO-CXCR4 | 305411L

Description					
	CHO-CXCR4-Medium-high	CXCR4	9500	CHO	
	CD184	CXCR4	HIV		CXCL12

Organism	
Tissue	

Disease	Chinese hamster ovary, non-neoplastic; genetically engineered for CXCR4 surface expression (low expression level)
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Applications	Antibody screening; CXCR4-targeted therapy development; HIV entry research; hematopoietic stem cell biology; flow cytometry
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Synonyms	CHO-CXCR4
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Age	
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Gender	
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Morphology	
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Cell type	Epithelial cells
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Growth properties	
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Citation	CHO-CXCR4 Medium-high (Cytion 305411MH)
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Biosafety level	1
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NCBI_TaxID	10029
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CellosaurusAccession CVCL_A8V9

GMO Status GMO-S1: This CHO line contains a recombinant construct enabling low-level expression of human CXCR4 for chemokine receptor studies. This classification applies only within Germany and may differ elsewhere.

Receptors expressed CXCR4 (CD184)

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

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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.

HLA

Sterility

PCR