

CHO-CXCR4 | 305411L

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

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 (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 CHO : DMEM: F12(1:1), w: 3.1 g/L , w: 2.5mM L-INS-ME-1039 , w: 15mM HEPES, w: 0.5mM , w: 1.2 g/L NaHCO3(Cytion)

Supplements : 5% FBS . (G418-) 0.5mg/mL .

Dissociation Reagent : -EDTA

Doubling time approx. 14-16 hours

Subculturing : PBS . PBS /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(800100)

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Thawing and Culturing Cells	
1.	.
2.	-150°C , 3 .
3.	37°C 40~60 .
4.	, 70% .
5.	8ml 15ml .
6.	300 x g 3 .
7.	10ml . 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.

/ / HLA

Sterility

PCR .