

**CHO-CXCR4 | 305411MH**

<b>Description</b>	CHO-CXCR4-Medium-high CD184 CXCR4 , HIV CXCL12	9500 CXCR4	CHO( )
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<b>Organism</b>	
<b>Tissue</b>	

<b>Disease</b>	Chinese hamster ovary, non-neoplastic; genetically engineered for CXCR4 surface expression (medium-high expression level)
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<b>Applications</b>	Antibody screening; CXCR4-targeted therapy development; HIV entry research; hematopoietic stem cell biology; flow cytometry
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<b>Synonyms</b>	CHO-CXCR4
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<b>Age</b>	
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<b>Gender</b>	
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<b>Morphology</b>	
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<b>Cell type</b>	Epithelial cells
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<b>Growth properties</b>	/
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<b>Citation</b>	CHO-CXCR4 ( 305411MH)
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<b>Biosafety level</b>	1
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<b>NCBI_TaxID</b>	10029
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**CellosaurusAccession** CVCL\_A8W0

**GMO Status** GMO-S1: This CHO derivative contains a construct driving medium-to-high expression of human CXCR4 for GPCR signaling and ligand-binding analyses. 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- , w: 15mM HEPES, w: 0.5mM , w: 1.2 g/L NaHCO3(Cytion A( , INS-ME-1039)

**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 10<sup>4</sup> cells/cm<sup>2</sup>

**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% CO<sub>2</sub>, 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 .