Product sheet

CHO-CXCR7 | 305412L

Description				
	CHO-CXCR7-Medium-high	CHO	CXCR7	CXCR7
	CXCR7		CHO-CXCR7-Medium-high	
Organism				
Tissue				
Disease	Chinese hamster ovary, non-neoplastic; genetically engineered for CXCR7 (ACKR3) surface expression (low 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	Cytion	305412MH
Biosafety level	1		
NCBI_TaxID	10029		

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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	DMEM Ham's F12 1:1 3.1 g/L 2.5 mM L- 15 mM HEPES 0.5 mM 1.2 g/L NaH InSCREENeX InSCREENeX INS-ME-1039
Supplements	5% FBS Geneticin G418-Sulfat 0.5 mg/mL
Dissociation Reagent	-EDTA
Doubling time	approx. 14-16 hours
Subculturing	PBS PBS /EDTA T25 1 T75 3
Split ratio	1 to 5
Seeding density	2 to 5 x 10^4 cells/cm^2
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% CO_2, 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