

Product sheet

CHO-CXCR4 | 305411L

CHO-CXCR4

**Description**

CHO-CXCR4-Medium-high CHO (Chinese Hamster Ovary) cells expressing human CXCR4. The cells are adapted to grow in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml dexamethasone. CXCR4, CD184, CD133, CD135, CD136, CD137, CD138, CD139, CD140, CD141, CD142, CD143, CD144, CD145, CD146, CD147, CD148, CD149, CD150, CD151, CD152, CD153, CD154, CD155, CD156, CD157, CD158, CD159, CD160, CD161, CD162, CD163, CD164, CD165, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, CD271, CD272, CD273, CD274, CD275, CD276, CD277, CD278, CD279, CD280, CD281, CD282, CD283, CD284, CD285, CD286, CD287, CD288, CD289, CD290, CD291, CD292, CD293, CD294, CD295, CD296, CD297, CD298, CD299, CD300, CD301, CD302, CD303, CD304, CD305, CD306, CD307, CD308, CD309, CD310, CD311, CD312, CD313, CD314, CD315, CD316, CD317, CD318, CD319, CD320, CD321, CD322, CD323, CD324, CD325, CD326, CD327, CD328, CD329, CD330, CD331, CD332, CD333, CD334, CD335, CD336, CD337, CD338, CD339, CD340, CD341, CD342, CD343, CD344, CD345, CD346, CD347, CD348, CD349, CD350, CD351, CD352, CD353, CD354, CD355, CD356, CD357, CD358, CD359, CD360, CD361, CD362, CD363, CD364, CD365, CD366, CD367, CD368, CD369, CD370, CD371, CD372, CD373, CD374, CD375, CD376, CD377, CD378, CD379, CD380, CD381, CD382, CD383, CD384, CD385, CD386, CD387, CD388, CD389, CD390, CD391, CD392, CD393, CD394, CD395, CD396, CD397, CD398, CD399, CD400, CD401, CD402, CD403, CD404, CD405, CD406, CD407, CD408, CD409, CD410, CD411, CD412, CD413, CD414, CD415, CD416, CD417, 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CD847, CD848, CD849, CD850, CD851, CD852, CD853, CD854, CD855, CD856, CD857, CD858, CD859, CD860, CD861, CD862, CD863, CD864, CD865, CD866, CD867, CD868, CD869, CD870, CD871, CD872, CD873, CD874, CD875, CD876, CD877, CD878, CD879, CD880, CD881, CD882, CD883, CD884, CD885, CD886, CD887, CD888, CD889, CD890, CD891, CD892, CD893, CD894, CD895, CD896, CD897, CD898, CD899, CD900, CD901, CD902, CD903, CD904, CD905, CD906, CD907, CD908, CD909, CD910, CD911, CD912, CD913, CD914, CD915, CD916, CD917, CD918, CD919, CD920, CD921, CD922, CD923, CD924, CD925, CD926, CD927, CD928, CD929, CD930, CD931, CD932, CD933, CD934, CD935, CD936, CD937, CD938, CD939, CD940, CD941, CD942, CD943, CD944, CD945, CD946, CD947, CD948, CD949, CD950, CD951, CD952, CD953, CD954, CD955, CD956, CD957, CD958, CD959, CD960, CD961, CD962, CD963, CD964, CD965, CD966, CD967, CD968, CD969, CD970, CD971, CD972, CD973, CD974, CD975, CD976, CD977, CD978, CD979, CD980, CD981, CD982, CD983, CD984, CD985, CD986, CD987, CD988, CD989, CD990, CD991, CD992, CD993, CD994, CD995, CD996, CD997, CD998, CD999, CD1000.

**Organism** CHO

**Tissue** CHO

**Synonyms** CHO-CXCR4

CHO-CXCR4

**Age** CHO

**Gender** CHO

**Morphology** CHO

**Growth properties** CHO

CHO-CXCR4

**Citation** CHO-CXCR4 (Cytion 305411MH)

**Biosafety level** 1

**NCBI\_TaxID** 10029

**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.

CHO-CXCR4

### CHO-CXCR4 | 305411L

<b>Receptors expressed</b>	CXCR4 (CD184)
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#### Characteristics

<b>Culture Medium</b>	DMEM:Ham's F12 (1:1), w: 3.1 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ , w: 2.5 mM L- $\text{Methionine}$ , w: 15 mM HEPES, w: 0.5 mM $\text{Na}_2\text{S}_2\text{O}_8$ , w: 820400a) CHO Growth Medium A ( $\beta$ -InSCREENeX; $\beta$ -InSCREENeX INS-ME-1039)
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<b>Supplements</b>	5% FBS, Geneticin (G418-Sulfat) 0.5 $\mu\text{g}/\text{mL}$
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<b>Dissociation Reagent</b>	EDTA
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<b>Subculturing</b>	1:2 to 1:3 in $\beta$ -PBS, $\text{CO}_2$ , 2-3 days
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<b>Fluid renewal</b>	2-3 days
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<b>Post-Thaw Recovery</b>	1:2 to 1:3 in T25 flasks, 24 hours
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<b>Freeze medium</b>	(10% FBS) + 10% DMSO, CM-1
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#### Thawing and Culturing Cells

1. Thaw cells in a water bath at 37°C, transfer to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes, wash cells with  $\beta$ -PBS, resuspend in fresh medium.
3. Seed cells into a T25 flask at a density of 37 cells/cm<sup>2</sup>.
4. Allow cells to attach for 24 hours, then refresh medium to 70% confluency.
5. Refresh medium every 15 days for 8 weeks.
6. Harvest cells at 300 x g for 3 minutes, resuspend in  $\beta$ -PBS.
7. Seed cells into a T25 flask at a density of 10 cells/cm<sup>2</sup>.
8. Refresh medium every 10 days.

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**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**