

XXX CHO-FCGR2B | 305982

XXXXXX XXXXXX

Description

[illegible]

CHO-FCGR2B 的 CHO 细胞系 (CHO) 表达 FcγRIIB (FcγRIIB; FC
ITIM), 该细胞系在体外和体内均表现出对 IgG 的吞噬作用。

CHO-FCGR2B 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 Fc, 23-24

Organism

XXXXXX XXXXXX

Tissue



Disease

XXXX XX XXXX XXXX, XXXXX XXXXXX; XXXXXXX XXXXX XXXXXXX XXXX FcγRIIB (CD32B/FCGR2B)

Applications

[illegible]

XXXXXXXXXXXX

Age

XXXXXX

Gender



Morphology

XXXXXX XXXXXX

Cell type

☐☐ ☒☐☐☐☐ ☒☐ ☒☐☐☐

Growth properties

XXX/XXXXXX

XIX

Citation

CHO-FCGR2B (XXXX XXXXXX XX Cytion: 305982)

Biosafety level

1

NCBI_TaxID

10029

Product sheet

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CellosaurusAccession CVCL_A8W4

GMO Status GMO-S1: CHO cells expressing FCGR2B

FCGR2B/CD32B

Receptors expressed FCGR2B/CD32B

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM beta-mercaptoethanol, w: 820400a) CHO Growth Medium A (no InSCREENeX; InSCREENeX INS-ME-1039)

Supplements DMEM:Ham's F12: 5% FBS. Geneticin (G418-Sulfat) 0.5 mg/ml

Dissociation Reagent Trypsin-EDTA

Doubling time 14-16 days

Subculturing Cells are detached using trypsin and seeded into new flasks in DMEM:Ham's F12 (1:1) supplemented with 5% FBS and 0.5 mg/ml Geneticin. Cells are grown at 37°C and 5% CO2. Cells are passaged every 2-3 days.

Split ratio 1:5

Seeding density 2 x 10^5 x 4 x 10^4 /cm^2

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and seeded into a 25 cm^2 flask containing 10 ml of DMEM:Ham's F12 (1:1) supplemented with 5% FBS and 0.5 mg/ml Geneticin. Cells are grown at 37°C and 5% CO2. Cells are passaged every 2-3 days.

Freeze medium DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM beta-mercaptoethanol, w: 820400a), 10% DMSO, 10% FBS

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**Thawing and
Culturing Cells**

1. Remove the vial from the dry ice and immerse it in a water bath at 37°C. Gently swirl the vial to thaw the cells. Do not shake the vial.
2. Add 10 ml of pre-warmed complete medium to the vial. Gently swirl the vial to mix the cells. Incubate the cells for 15-20 minutes at 37°C.
3. Transfer the cells to a T25 flask. Gently swirl the flask to mix the cells. Incubate the cells for 24-48 hours at 37°C.
4. Check the cell morphology. The cells should be 70-80% confluent.
5. Pass the cells into a T75 flask. Gently swirl the flask to mix the cells. Incubate the cells for 24-48 hours at 37°C.
6. Harvest the cells by centrifugation at 300 x g for 5 minutes. Remove the supernatant. Wash the cells with PBS.
7. Resuspend the cells in PBS. Count the cells. Seed the cells into a T25 flask. Incubate the cells for 24-48 hours at 37°C.
8. Harvest the cells by centrifugation at 300 x g for 5 minutes. Remove the supernatant. Wash the cells with PBS.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Cells are shipped in a dry ice container. The container should be kept at -78°C.

**Storage
Conditions**

Cells can be stored at -150°C for up to 196 days. Thaw the cells at 37°C.

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Sterility

Cells are tested for mycoplasma contamination. PCR results are negative. Cells are also tested for endotoxin. Endotoxin levels are below 0.1 EU/ml.