

CHO-IL2RA | 305980

General information

Description

CHO-IL2RA is a CHO cell line expressing the human IL2 receptor alpha chain (IL2RA) and the JAK/STAT signaling pathway. The cells are stably transfected with the IL2RA gene and the JAK/STAT signaling pathway components. The cells are used for the production of IL2 and for the study of IL2 signaling.

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Organism CHO

Tissue CHO

Characteristics

Age 1-3 months

Gender Male

Morphology Adherent

Growth properties Adherent

References

Citation CHO-IL2RA (Cytion: 305980)

Biosafety level 1

NCBI_TaxID 10029

Media and supplements

Media

Fluid renewal 2-3 times per week

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Post-Thaw Recovery

1. Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium (10% FBS) and centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 mL of pre-warmed medium and seed into a T25 flask. Incubate for 24 hours to allow the cells to recover.

Freeze medium

2. Harvest the cells and resuspend them in 1 mL of pre-warmed medium containing 10% FBS. Add 10% DMSO to the medium. Transfer the cells to a cryovial and freeze at -150°C.

Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium (10% FBS) and centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 mL of pre-warmed medium and seed into a T25 flask. Incubate for 24 hours to allow the cells to recover.
2. Harvest the cells and resuspend them in 1 mL of pre-warmed medium containing 10% FBS. Add 10% DMSO to the medium. Transfer the cells to a cryovial and freeze at -150°C.
3. Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium (10% FBS) and centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 mL of pre-warmed medium and seed into a T25 flask. Incubate for 24 hours to allow the cells to recover.
4. Harvest the cells and resuspend them in 1 mL of pre-warmed medium containing 10% FBS. Add 10% DMSO to the medium. Transfer the cells to a cryovial and freeze at -150°C.
5. Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium (10% FBS) and centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 mL of pre-warmed medium and seed into a T25 flask. Incubate for 24 hours to allow the cells to recover.
6. Harvest the cells and resuspend them in 1 mL of pre-warmed medium containing 10% FBS. Add 10% DMSO to the medium. Transfer the cells to a cryovial and freeze at -150°C.
7. Thaw the vial quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium (10% FBS) and centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 mL of pre-warmed medium and seed into a T25 flask. Incubate for 24 hours to allow the cells to recover.
8. Harvest the cells and resuspend them in 1 mL of pre-warmed medium containing 10% FBS. Add 10% DMSO to the medium. Transfer the cells to a cryovial and freeze at -150°C.

Shipping Conditions

3. Ship the cells at -150°C to -196°C.

Storage Conditions

4. Store the cells at -150°C to -196°C.

CHO-IL2RA / CHO-IL2RA / HLA

Sterility

5. The cells are sterile and free of mycoplasmas.

6. The cells are free of mycoplasmas and other contaminants.