

HEK293-CTLA4 HEK293-CTLA4 | 305423

HEK293-CTLA4

Description

HEK293-CTLA4 is a cell line derived from HEK293 cells, which are a type of epithelial cell line. The cells are characterized by their high growth rate and ability to produce large amounts of protein. The cells are maintained in DMEM medium supplemented with 10% fetal bovine serum (FBS). The cells are typically used for the production of recombinant proteins, including antibodies and cytokines. The cells are also used for the study of cellular processes, such as cell growth, differentiation, and signaling.

HEK293-CTLA4 cells are derived from HEK293 cells, which are a type of epithelial cell line. The cells are characterized by their high growth rate and ability to produce large amounts of protein. The cells are maintained in DMEM medium supplemented with 10% fetal bovine serum (FBS). The cells are typically used for the production of recombinant proteins, including antibodies and cytokines. The cells are also used for the study of cellular processes, such as cell growth, differentiation, and signaling.

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Organism

HEK293

Tissue

Epithelial

Disease

HEK293-CTLA4 (HEK293)

Applications

HEK293-CTLA4 cells are used for the production of recombinant proteins, including antibodies and cytokines. The cells are also used for the study of cellular processes, such as cell growth, differentiation, and signaling.

HEK293-CTLA4

Age

HEK293

Gender

HEK293

Morphology

Epithelial

Cell type

HEK293-CTLA4

Growth properties

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Citation

HEK293-CTLA4 (HEK293-CTLA4 305423)

Biosafety level

1

NCBI_TaxID

9606

CellosaurusAccession

CVCL_6G20

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[illegible]

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Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage and allow it to thaw at room temperature for 1-2 minutes. Do not shake the vial. Remove the cap and transfer the cells to a pre-warmed tube.
2. Add 1 ml of complete medium to the tube and mix gently. Transfer the cells to a 25 cm² flask containing 150 ml of complete medium.
3. Incubate the cells at 37 °C in 5% CO₂ for 24 hours. After 24 hours, check the cell density. If the density is less than 1 × 10⁵ cells/ml, add more medium.
4. When the cell density reaches 1 × 10⁵ cells/ml, split the cells into two 25 cm² flasks. The split ratio is 1:2.
5. After 24 hours, check the cell density. If the density is less than 1 × 10⁵ cells/ml, add more medium.
6. When the cell density reaches 1 × 10⁵ cells/ml, split the cells into two 25 cm² flasks. The split ratio is 1:2.
7. After 24 hours, check the cell density. If the density is less than 1 × 10⁵ cells/ml, add more medium.
8. When the cell density reaches 1 × 10⁵ cells/ml, split the cells into two 25 cm² flasks. The split ratio is 1:2.

Incubation
Atmosphere

37 °C, 5% CO₂

Flask Coating

Not required

Freezing
Procedure

When the cell density reaches 1 × 10⁵ cells/ml, harvest the cells and resuspend them in 1 ml of freezing medium. Freeze the cells at -80 °C.

Shipping
Conditions

Store the cells at -80 °C. Ship the cells in dry ice.

Storage
Conditions

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

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Sterility

The cells are free of mycoplasma contamination. The cells are free of endotoxins. The cells are free of viruses. The cells are free of bacteria. The cells are free of fungi. The cells are free of parasites. The cells are free of all other contaminants.