

HEK293-CTLA4 | 305423

HEK293-CTLA4

Description	HEK293-CTLA4: HEK293 cells expressing CTLA4. HEK293-CTLA4 cells are a derivative of HEK293 cells, which are a continuous cell line derived from HEK293 cells. HEK293-CTLA4 cells are characterized by the expression of CTLA4, a member of the B7 family of cell surface receptors. HEK293-CTLA4 cells are used for the study of CTLA4 function and for the production of CTLA4 protein. HEK293-CTLA4 cells are derived from HEK293 cells, which are a continuous cell line derived from HEK293 cells. HEK293-CTLA4 cells are characterized by the expression of CTLA4, a member of the B7 family of cell surface receptors. HEK293-CTLA4 cells are used for the study of CTLA4 function and for the production of CTLA4 protein. HEK293-CTLA4 cells are derived from HEK293 cells, which are a continuous cell line derived from HEK293 cells. HEK293-CTLA4 cells are characterized by the expression of CTLA4, a member of the B7 family of cell surface receptors. HEK293-CTLA4 cells are used for the study of CTLA4 function and for the production of CTLA4 protein.
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Organism	HEK293
Tissue	HEK293

HEK293-CTLA4

Age	HEK293
Gender	HEK293
Morphology	HEK293
Growth properties	HEK293, HEK293

HEK293-CTLA4

Citation	HEK293-CTLA4 (HEK293-CTLA4 Cytion 305423)
Biosafety level	1
NCBI_TaxID	9606

GMO Status	GMO-S1: HEK293 cells expressing CTLA4
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Receptors expressed	CTLA4 (CD152)
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Culture Medium	RPMI 1640, w: 2.0 mM CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
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Supplements	10% FBS, 1 mM CaCl_2 , 10 mM HEPES, 1% NEAA. Geneticin (G418-Sulfat) 1 mg/ml
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Dissociation Reagent	EDTA
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Subculturing	Cells are grown in 25 cm ² flasks. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. Media is changed every 2-3 days.
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Fluid renewal	2-3 times per week
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Post-Thaw Recovery	After thawing, cells are seeded into 25 cm ² flasks. Media is changed after 24 hours. Cells are then grown in fresh media.
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Freeze medium	Cells are frozen in a medium containing 10% FBS and 10% DMSO.
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Thawing and Culturing Cells	- Cells are thawed in a 37°C water bath. - Cells are centrifuged at 300 x g for 3 minutes. - Cells are resuspended in fresh medium. - Cells are seeded into 25 cm² flasks. - Media is changed after 24 hours. - Cells are grown in fresh medium. - Media is changed every 2-3 days. - Cells are harvested for analysis.
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Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Adherent cells: 100% Adherent cells: 100%

Freezing
Procedure

1. Harvest cells by trypsinization. 2. Wash cells with PBS. 3. Resuspend cells in freezing medium. 4. Aliquot cells into freezing vials. 5. Freeze vials in liquid nitrogen. 6. Store vials at -78°C.

Shipping
Conditions

1. Harvest cells by trypsinization. 2. Wash cells with PBS. 3. Resuspend cells in shipping medium. 4. Aliquot cells into shipping vials. 5. Ship vials on dry ice. 6. Store vials at -78°C.

Storage
Conditions

1. Harvest cells by trypsinization. 2. Wash cells with PBS. 3. Resuspend cells in storage medium. 4. Aliquot cells into storage vials. 5. Store vials at -150 to -196°C.

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Sterility

1. Harvest cells by trypsinization. 2. Wash cells with PBS. 3. Resuspend cells in PCR medium. 4. Aliquot cells into PCR vials. 5. Store vials at -150 to -196°C.

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