Genomeditech (Shanghai) Co.,Ltd.
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Product Sheet

H_HLA-G1 SK-OV3 Cell Line

Catalog number: GM-C16966

Version 3.3.1.250529

Description	H_HLA-G1 SK-OV3 Cell Line is a clonal stable SK-OV3 cell line that constitutively expresses the human_HLA-G1 gene, constructed using lentiviral technology.
Quantity	3E6 Cells per vial,1 mL
Product Format	3 vials of frozen cells
Shipping	Shipped on dry ice
Storage Conditions	Liquid nitrogen immediately upon receipt

Target	Human_HLA-G1
Gene ID/Uniprot ID	P17693-1
Host Cell	SK-OV3

Recovery Medium	McCOY's 5A+10% FBS+1% P.S
Growth medium	McCOY's 5A+10% FBS+1% P.S+1.5 μg/mL Puromycin
Note	None
Freezing Medium	90% FBS+10% DMSO
Growth properties	Adherent
Growth Conditions	37°C, 5% CO_2

Mycoplasma Testing	The cell line has been screened to confirm the absence of Mycoplasma species.
Safety considerations	Biosafety Level 2
Note	It is recommended to expand the cell culture and store a minimum of 10 vials at an early passage for potential future use.

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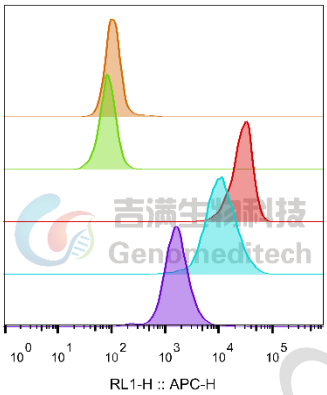
Materials

Reagent	Manufacturer/Catalogue No.
McCoy's 5A	Biological Industries/01-075-1ACS
Fetal Bovine Serum	Cegrogen biotech/A0500-3010
Pen/Strep	Thermo/15140-122
Puromycin	Genomeditech/GM-040401
Anti-H_HLA-G1 mIgG2a Antibody	Genomeditech/GM-38392AB

Figures



SampleID	Geometric Mean : RL1-H
SK-OV-3 anti-H_HLA-G1+APC-2nd Ab	109
SK-OV-3 H_HLA-G1 M_IgG+APC-2nd Ab	84.1
SK-OV-3 H_HLA-G1 anti-H_HLA-G1+APC-2nd Ab #3	25372
SK-OV-3 H_HLA-G1 anti-H_HLA-G1+APC-2nd Ab #13	10269
SK-OV-3 H_HLA-G1 anti-H_HLA-G1+APC-2nd Ab #19	1586

Figure 1 | H_HLA-G1 SK-OV3 Cell Line (Cat. GM-C16966) was determined by flow cytometry using Anti-H_HLA-G1 mIgG2a Antibody (Cat. GM-38392AB).

Cell Recovery

Recovery Medium: McCOY's 5A+10% FBS+1% P.S

To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70°C. Storage at -70°C will result in loss of viability.

a) Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the O-ring and cap out of the water. Thawing should be rapid (approximately 2 - 3 minutes).

b) Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by dipping in or spraying with 70% ethanol. All of the operations from this point on should be carried out under strict aseptic conditions.

c) Transfer the vial contents to a centrifuge tube containing 5.0 mL complete culture medium and spin at approximately 176 x g for 5 minutes. Discard supernatant.

d) Resuspend cell pellet with the recommended recovery medium. And dispense into appropriate culture dishes.

e) Incubate the culture at 37°C in a suitable incubator. A 5% CO_2 in air atmosphere is recommended if using the medium described on this product sheet.

Cell Freezing

Freezing Medium: 90% FBS+10% DMSO

a) Centrifuge at 176 x g for 3 minutes to collect cells.

b) Resuspend the cells in pre-cooled freezing medium and adjust the cell density to 2.5E6 cells/mL.

c) Aliquot 1 mL into each vial.

d) Place the vial in a controlled-rate freezing container and store at -80°C for at least 1 day, then transfer to liquid nitrogen as soon as possible.

Cell passage

Growth medium: McCOY's 5A+10% FBS+1% P.S+1.5 μg/mL Puromycin

For the first 1 to 2 passages post-resuscitation, use the recovery medium. Once the cells have stabilized, switch to a growth medium.

a) Remove and discard culture medium.

b) Briefly rinse the cell layer with PBS to remove all traces of serum that contains trypsin inhibitor.

c) Add 1.0 mL of 0.25% (w/v) Trypsin-EDTA solution to the dish to rinse and then aspirate. Repeat this step once. Then, add 2.0 mL of 0.25% (w/v) Trypsin-EDTA solution and observe the cells under an inverted microscope until the cell layer is dispersed (usually within 1 to 2 minutes at 37°C).

d) Note: To avoid clumping do not agitate the cells by hitting or shaking the flask while waiting for the cells to detach. Cells that are difficult to detach may be placed at 37°C to facilitate dispersal.

e) Add 3.0 mL of growth medium to mix well and aspirate cells by gently pipetting.

f) After centrifugation, resuspend the pellet and add appropriate aliquots of the cell suspension to new culture vessels.

g) Incubate cultures at 37°C.

Subcultivation Ratio: A subcultivation ratio of 1:2 - 1:3 is recommended

Medium Renewal: Every 2 to 3 days

Notes

a) None

Sequence

HLA-G1(HLA-G) P17693-1

MVVMAPRTLFLLLSGALTLTETWAGSHSMRYFSAAVSRPGRGEPRFIAMGYVDDTQFVRFDSDSACPRMEP
RAPWVEQEGPEYWEEETRNTKAHAQTDRMNLQTLRGYYNQSEASSHTLQWMIGCDLGSDGRLLRGYEQY
AYDGKDYLALNEDLRSWTAADTAAQISKRKCEAANVAEQRRAYLEGTCVEWLHRYLENGKEMLQRADPP

KTHVTHHPVFDYEATLRCWALGFYPAEIILTWQRDGEDQTQDVELVETRPAGDGTFQKWAAVVVPSGEEQR
YTCHVQHEGLPEPLMLRWKQSSLPTIPIMGIVAGLVVLAAVVTGAAVAAVLWRKKSSD

Related Products

LILRB1(ILT2)	
H_LILRB1(ILT2) Reporter Jurkat Cell Line	H_LILRB1(ILT2) CHO-K1 Cell Line
H_LILRB1(ILT2) HEK-293 Cell Line	Rhesus_LILRB1 CHO-K1 Cell Line
Anti-LILRB1(ILT2) mIgG1 Antibody(12D12)	
HLA-G	
H_HLA-G1 CHO-K1 Cell Line	H_HLA-G1 HEK-293 Cell Line
H_HLA-G1 MC38 Cell Line	H_HLA-G1 OKT3 CHO-K1 Cell Line
H_HLA-G1 PDL1 MC38(mouse_PDL1 KO) Cell Line	Rhesus_MAMU-AG HEK-293 Cell Line
Anti-H_HLA-G1 hIgG1 Antibody(38373)	
In Vivo MAb Isotype Controls	
Human IgG4(S228P) Isotype Control(Anti-HEL)	Human IgG1 Isotype Control(Anti-HEL)
Human IgG1 Isotype Control(Anti-MOPC-21)	Human IgG1 Isotype Control(Anti-RSV)
Human IgG1(LALA) Isotype Control(Anti-HEL)	Human IgG1(LALAPG) Isotype Control(Anti-HEL)
Human IgG1(LALAPG;N297A) Isotype Control(Anti-HEL)	Human IgG1(N297A) Isotype Control(Anti-HEL)
Mouse IgG1 Isotype Control(Anti-HEL)	Mouse IgG2a Isotype Control(Anti-HEL)
Mouse IgG2a Isotype Control(Anti-RSV)	Mouse IgG2a(D265A) Isotype Control(Anti-HEL)

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