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Product Sheet

H_F3(CD142) CT26 Cell Line

Catalog number: GM-C33030

Version 3.3.1.260116

Description	H_F3(CD142) CT26 Cell Line is a clonal stable CT26 cell line that constitutively expresses the human F3(CD142) gene, constructed using lentiviral technology.
Quantity	5E6 Cells per vial,1 mL
Product Format	1 vial of frozen cells
Shipping	Shipped on dry ice
Storage Conditions	Liquid nitrogen immediately upon receipt

Target	Human_F3(CD142)
Gene ID/Uniprot ID	P13726-1
Host Cell	CT26

Recovery Medium	RPMI 1640+10% FBS+1% P.S
Growth medium	RPMI 1640+10% FBS+1% P.S+4 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.

Materials

Reagent	Manufacturer/Catalogue No.
RPMI 1640	VivaCell/C3010-0500
Fetal Bovine Serum	ExCell/FSP500
Pen/Strep	Thermo/15140-122
Puromycin	Genomeditech/GM-040401
Anti-H_F3(CD142) hIgG1 Antibody(Tisotumab)	Genomeditech/GM-28928AB

Figures

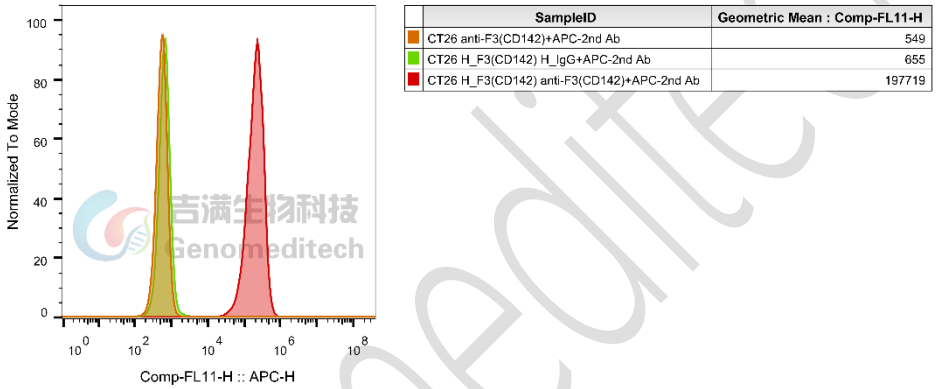

Figure 1 | H_F3(CD142) CT26 Cell Line (Cat. GM-C33030) was determined by flow cytometry using Anti-H_F3(CD142) hIgG1 Antibody(Tisotumab) (Cat. GM-28928AB).

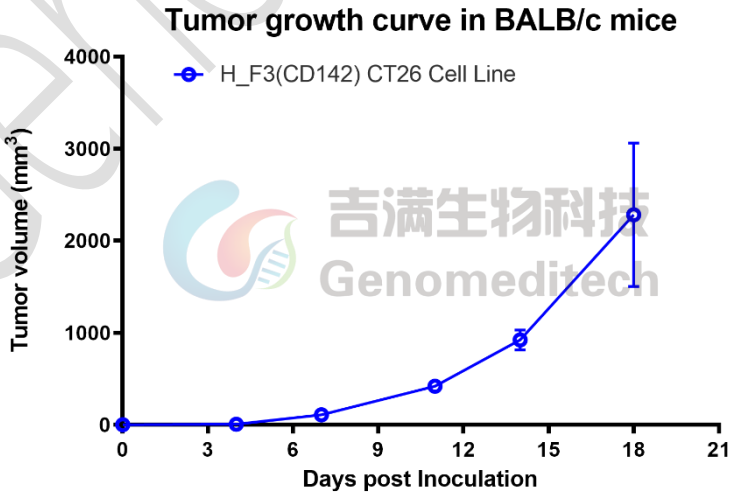

Figure 2 | Tumor growth curves of H_F3(CD142) CT26 in BALB/c mice. H_F3(CD142) CT26 cells (1×10^6 per mouse) were subcutaneously inoculated into BALB/c mice (female, 8 weeks old, n = 3). Tumor volume was measured twice per week and is presented as mean ± SEM.

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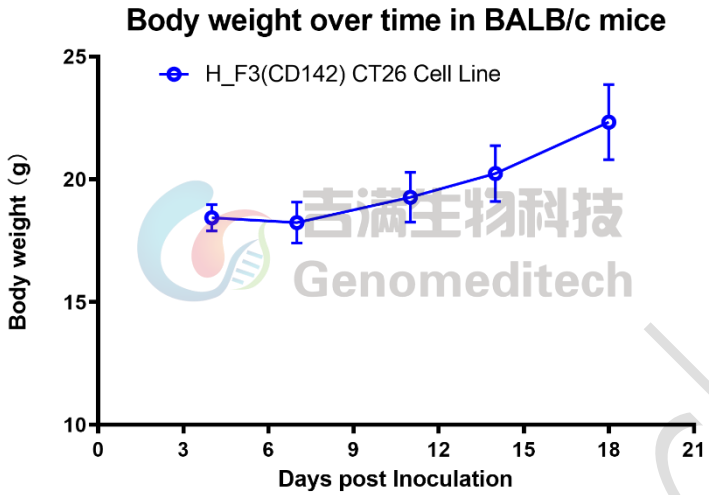

Figure 3 | Body weight changes after implantation of H_F3(CD142) CT26 in BALB/c mice. Under the same conditions, body weight was measured twice per week and is presented as mean ± SEM.

Cell Recovery

Recovery Medium: RPMI 1640+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 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: RPMI 1640+10% FBS+1% P.S+4 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 dish and observe cells under an inverted microscope until cell layer is dispersed (usually within 30 to 60 seconds 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 2.0 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 1:3 - 1:5 is recommended

Medium Renewal: Every 2 to 3 days

Notes

a) After the stabilization of the cell condition, there will be fewer dead cells post-passage, the cell growth rate will tend to stabilize, cell morphology will become uniform, and the cells will appear robust.

Sequence

F3(CD142) P13726-1

METPAWPRVPRPETAVARTLLLGWVFAQVAGASGTTNTVAAYNLTWKSTNFKTILEWEPKPVNQVYTVQIS
TKSGDWKSKCFYTTDTECDLTDEIVKDVKQTYLARVFSYPAGNVESTGSAGEPLYENSPEFTPYLETNLGQPT
IQSFEQVGTKVNVTVEDERTLVRRNNTFLSLRDVFGKDLIYTLYYWKSSSSGKKTAKTNTNEFLIDVDKGEN
YCFSVQAVIPSRTVNRKSTDSPVECMGQEKGEFREIFYIIGAVVFVVIILVIILAISLHKCRKAGVGQSWKENSP
LNVS

Related Products

F3(CD142;TF)	
Cynomolgus_F3(CD142) CHO-K1 Cell Line	H_F3(CD142) CHO-K1 Cell Line
H_F3(CD142) HEK-293 Cell Line	H_F3(CD142) LLC1 Cell Line
H_F3(CD142) MC38 Cell Line	
Anti-F3(CD142) hIgG1 Reference Antibody(Tisbio)	Anti-H_F3(CD142) hIgG1 Antibody(Tisotumab)

Anti-TF-MMAE ADC(Dar4)[Tisotumab vedotin]	
FOLR1(FRα)	
Cynomolgus_FOLR1 CHO-K1 Cell Line	Flag-Mouse_FOLR1 CHO-K1 Cell Line
Flag-Rat_FOLR1 CHO-K1 Cell Line	H_FOLR1 CHO-K1 Cell Line
H_FOLR1 CT26 Cell Line	H_FOLR1 HEK-293 Cell Line
H_FOLR1 MC38 Cell Line	
Anti-FOLR1 hIgG1 Antibody(Mirvetuximab)	Anti-FOLR1 hIgG1 Reference Antibody(Mirvebio)
Anti-FOLR1-DM4(Dar3.4)[Mirvetuximab soravtansine]	
Biotinylated Cynomolgus FOLR1 Protein; His-Avi Tag	Biotinylated Human FOLR1 Protein; hFc-Avi Tag
Biotinylated Human FOLR1 Protein; His-Avi Tag	Cynomolgus FOLR1 Protein; His Tag
Human FOLR1 Protein; His Tag	
ADC Related Product	
Anti-DXD Mouse IgG1 Antibody (23E21C5)	Anti-DXD Mouse IgG1 Antibody (4A5A12)
Anti-Dxd Mouse IgG2a Antibody (17D6A4)	Anti-Eribulin Mouse IgG2a Antibody (10F8G4)
Anti-MMAE Mouse IgG1 Antibody (11C10E3)	Anti-MMAE Mouse IgG2a Antibody (17A1K11)
Anti-MMAE Mouse IgG2a Antibody (8F6A3)	Mouse anti Human IgG1-MMAE(Dar4)
Human IgG1 Isotype-DXD (Dar8)	Human IgG1 Isotype-Eribulin (Dar4)
Human IgG1 Isotype-MMAE (Dar4)	
Recombinant DT3C Protein	

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