

HT84 | 300354

Antigen expression	CD45+ (CD45 ⁺ CD45 ⁺)
Isoenzymes	G6PD, B, PGM1, 1, PGM3, 1, ES-D, 1, Me-2, 1-2, AK-1, 1, GLO-1, 1-2
Tumorigenic	Yes, tumorigenic in nude mice
Products	HT84 (CEA), 600 µg/ml exp6 HT84 10 µg/ml, HT84
Mutational profile	HT84 has a mutation in Kras (G12S) 13: GGC(Wt Gly) >GAC(Asp)
Karyotype	46,XX,der(12)t(11;12)(p11;p11)56,der(12)t(11;12)(p11;p11)-28% 46,XX,der(12)t(11;12)(p11;p11)12.4%. 18
HT84	
Culture Medium	Ham's F12, w: 1.0 mM β-mercaptoethanol, w: 1.0 mM transferrin, w: 1.1 g/L NaHCO3 (Cytion 820600a)
Supplements	HT84 10% FBS
Dissociation Reagent	HT84
Subculturing	HT84 cells are cultured in Ham's F12 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in Ham's F12 medium supplemented with 10% FBS. HT84 cells are cultured in Ham's F12 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in Ham's F12 medium supplemented with 10% FBS.
Fluid renewal	HT84
Freeze medium	HT84 cells are frozen in Ham's F12 medium supplemented with 10% FBS and 10% DMSO.

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C in 5% CO₂ atmosphere.
3. Monitor the cells for attachment and growth. Change the medium after 24 hours.
4. Once the cells are established, they can be passaged into fresh medium.
5. The cells should reach confluence within 7-10 days.
6. Harvest the cells by trypsinization. Seed into fresh medium.
7. The cells should reach confluence within 7-10 days.
8. The cells should reach confluence within 7-10 days.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Flask coating is not required for this cell line.

Freezing Procedure

For freezing, seed cells into a pre-warmed medium. Harvest cells by trypsinization. Resuspend cells in freezing medium. Freeze cells in a controlled rate freezer at -78°C.

Shipping Conditions

Shipping conditions: -78°C

Storage Conditions

Storage conditions: -150°C

HLA

Sterility

The cells are free of mycoplasmas and other contaminants.

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██████ HLA

A*: '02:01:01, '24:02:01

B*: '18:01:01, '35:01:01

C*: 04:01:01, 07:01:01

DRB1*: '01:01:01, '09:01:02

DQA1*: '01:01:01, '03:02:01

DQB1*: '03:03:02, '05:01:01

DPB1*: '02:01:02, '04:01:01

E: 01:03:01, 01:03:02