

Product sheet

HROC60 | 300827

General information

Description	Cell line derived from a 71-year-old male patient with a primary tumor of the colon (PD Dr. Michael Linnebacher) [1]
Organism	Human
Tissue	Colon, UICC I
Disease	Colorectal adenocarcinoma, TNM T2N0M0R0L0V0, G2, Lk(n) + 0, Σ Lk(n) 47

Cell line characteristics

Age	71 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Growth properties	Adherent

Identification and documentation

Citation	HROC60 (Cell line Cytion 300827)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1G05

Antigen expression and characterization

Protein expression	PTEN
Antigen expression	Her2/neu +, EGFR +, CD326+, CD44+, CD54+, CD47+, CD71+, CD15-, CD73+, CD95+, CD274+, CD133low, CD276+, IDOweak, MHC-I+, CD133weak, CD66acdewweak, EpCAM+, MHCII+ [2], IFN- γ , cFLIPweak

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Tumorigenic	Yes, tumorigenic in nude mice
Viruses	SV40, JC/BK, HBV, HCV, HIV.
Ploidy status	Diploid
MSI-status	MSS
Mutational profile	KRAS
Characteristics	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO3 820400a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	29 days
Subculturing	Cells are grown in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are passaged using Trypsin, 3-5 x 10^4 cells per well in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
Seeding density	2 x 10^4 cells/cm^2
Fluid renewal	3-5 days
Post-Thaw Recovery	1-2 weeks
Freeze medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO3 820400a), 10% FBS + 10% DMSO

