

Product sheet

HROC46 T0 M1 | 300824

General information

Description	66-year-old female patient with advanced-stage colorectal cancer (PD Dr. Michael Linnebacher) (PD Dr. Michael Linnebacher)
Organism	Human
Tissue	Colorectal cancer, UICC IV, colorectal cancer CRC (TNM T3N0M1R2L0V1, G3, Lk(n))
Disease	Colorectal cancer
Synonyms	HROC46

Donor information

Age	66 years
Gender	Female
Ethnicity	German
Morphology	Normal
Growth properties	Normal

Cell line information

Citation	HROC46 T0 M1 (Cytion 300824)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1D21

Protein expression

Protein expression	PTEN
--------------------	------

Antigen expression	CD274 +, CD197 +, EpCAM +, CD40 +, CD253 +, CD56 +, CD44 +, CD66acde +, CD50 -, CD58 -, CD178 -, CD86 -
Tumorigenic	Yes, orthotopic xenografts in nude mice
Viruses	Not infected with SV40, JC/BK, HBV, HCV, HIV.
Ploidy status	Diploid
MSI-status	MSS
Mutational profile	APCmut, K-RasG12V, N-Raswt, H-Ras wt, p53wt, PIK3CAwt, B-Rafwt
Genotype	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L D-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	Insulin 10% FBS
Dissociation Reagent	Trypsin
Doubling time	25 - 40 hours
Subculturing	Cells are typically passaged every 3-5 days using trypsin. Cells are seeded into T25 flasks, 3-5 x 10^4 cells per flask. Media is replaced every 3-5 days. Cells are typically passaged every 3-5 days using trypsin.
Seeding density	2 x 10^4 cells/cm^2
Fluid renewal	Every 3-5 days
Post-Thaw Recovery	1 - 2 weeks
Freeze medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L D-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

