Product sheet

B-LCL-HROC68 | 302078

Description

Description	B-LCL-HROC68 (Cytion 302078) was established from peripheral blood mononuclear cells (PBMC) of a 84 year old female patient. The cells were immortalized with Epstein-Barr virus (EBV) and grow as a mixed population of B and T cells. The cells were cryopreserved in the first passage (P1). The cells grow in suspension and have a doubling time of approximately 48 hours. The cells are positive for Epstein-Barr virus nuclear antigen (EBNA) and negative for mycoplasma.
	B-LCL-HROC68 cells were tested positive for immunoglobulin G (IgG) secretion by ELISA, and the concentration was determined to be 1.5 µg/ml. Supernatant from B-LCL-HROC68 cells was tested positive for anti-IgG antibodies and anti-TiBc. Supernatant from B-LCL-HROC68 cells was tested positive for anti-B-LCL-HROC68 antibodies by ELISA, and the titer was determined to be 1:1000.
Organism	Human
Tissue	Blood
Disease	Healthy
Synonyms	Bc HROC68, TiBcHROC68

Donor information

Age	84 Years
Gender	Female
Ethnicity	Caucasian
Morphology	Round Lymphocyte
Cell type	Lymphoblast B
Growth properties	Suspension

Publication and Publication Info

Citation	B-LCL-HROC68 (Cytion 302078)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_A7UU

[redacted] B-LCL-HROC68 | 302078

[redacted]

Surface antigens	CD19
Viruses	[redacted]: EBV

[redacted]

Culture Medium	RPMI 1640, w: 2.0 mM [redacted], w: 2.0 g/L NaHCO3 ([redacted] Cytion 820700a)
Supplements	[redacted] 10% FBS [redacted]
Subculturing	[redacted] 5 [redacted]
Freeze medium	[redacted] (FBS) + 10% DMSO [redacted]
Thawing and Culturing Cells	1. [redacted] 2. [redacted] 3. [redacted] 37 [redacted] 4. [redacted] 70% [redacted]. 5. [redacted] 15 [redacted] 8 [redacted] 6. [redacted] 7. [redacted] 8. [redacted].
Incubation Atmosphere	37°C, 5%$_{CO2}$, [redacted]

[redacted]B-LCL-HROC68 | 302078

Flask Coating	[redacted], [redacted]
Freezing Procedure	[redacted] -78°C
Shipping Conditions	[redacted] -78°C
Storage Conditions	[redacted] -150 [redacted] 196 [redacted]

[redacted] / [redacted] / HLA

Sterility	[redacted] PCR [redacted] [redacted]

[redacted]HLA	**A***: '02:01:01, '29:02:01 **B***: 13:02:01, 44:03:01 **C***: 06:02:01, 16:01:01 **DRB1***: 07:01:01 **DQA1***: 02:01:01 **DQB1***: 02:02:01 **DPB1***: '01:01:01, '04:01:01 **E**: 01:01, 01:03