

Product sheet

EB1 | 300403

EB1

**Description** EB1 is a cell line derived from a Burkitt lymphoma cell line. It is a B cell line that is highly proliferative and is used for research in B cell biology and cancer. EB1 is a cell line that is highly proliferative and is used for research in B cell biology and cancer.

**Organism** Human

**Tissue** B cell

**Disease** Burkitt lymphoma

**Synonyms** EB-1, EBV-1

EB1

**Age** 9 months

**Gender** Male

**Ethnicity** African

**Morphology** Lymphoblastoid cell line, EBV-transformed B cell line, EBV-transformed B cell line

**Cell type** B cell

**Growth properties** EBV-transformed B cell line

EB1

**Citation** EB1 (EBV-transformed B cell line) Cytion 300403

**Biosafety level** 2

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_2027

Product sheet

HEK293T EB1 | 300403

HEK293T EB1 - HEK293T EB1

**Isoenzymes** PGM1, ESD1, GLO-1, G6PD, B

**Viruses** Adenovirus, Herpesvirus, Influenza

**Karyotype** 46, XX, XY, 2n = 46. 30 chromosomes: 22 pairs of autosomes, 1 pair of sex chromosomes (XX), 1 pair of sex chromosomes (XY)

HEK293T

**Culture Medium** RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a)

**Supplements** 10% FBS

**Doubling time** 48 hours

**Subculturing** 1:2 to 1:10

**Seeding density**  $0.1 \times 10^6$  cells/cm<sup>2</sup>

**Fluid renewal** 2-3 times per week

**Post-Thaw Recovery** 24 hours

**Freeze medium** 10% FBS + 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 with 5% CO<sub>2</sub> until the cells reach confluence.
3. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO<sub>2</sub> until the cells reach confluence.
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8. Harvest the cells by trypsinization. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO<sub>2</sub> until the cells reach confluence.

Incubation Atmosphere

37°C, 5% CO<sub>2</sub>, humidified

Flask Coating

Coated with fibronectin

Freezing Procedure

Freeze cells in a freezing medium at -80°C

Shipping Conditions

Ship cells at -80°C

Storage Conditions

Store cells at -150°C for up to 196 days

EB1 / EB2 / EB3 / HLA

Sterility

Cells are tested for sterility by PCR

Cells are tested for sterility by PCR

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██████ HLA

**A\***: '29:02:01, '31:04:01

**B\***: '47:03:01, '57:03:01

**C\***: 07:01:02, 07:18:01

**DRB1\***: 11:02:01, 13:02:01

**DQA1\***: '01:02:01, '05:05:01

**DQB1\***: 03:01, 06:04:01

**DPB1\***: '13:01:01G, '30:01:01

**E**: 01:03:01, 01:13