

EB1 | 300403

General information

Description	EB1 is a human B cell line derived from a patient with Burkitt's lymphoma. It is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and sensitivity to certain drugs. It is used for research in B cell biology and cancer treatment.
Organism	Human
Tissue	B cell
Disease	Burkitt's lymphoma
Synonyms	EB-1, Burkitt's lymphoma cell line

Characteristics

Age	9 years
Gender	Female
Ethnicity	European
Morphology	Large, round, and highly proliferative cells with prominent nucleoli.
Cell type	B cell
Growth properties	High proliferation rate, sensitive to certain drugs.

Additional information

Citation	EB1 (Cytion 300403)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2027

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HEK293T-EB1-300403

Isoenzymes	PGM1, ESD1, GLO-1, G6PD, B
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Viruses	None
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Karyotype	HEK293T cells are karyotyped 30 times: 2n = 46. The karyotype is normal, the cells are karyotypically stable.
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HEK293T

Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (HEK293T medium Cytion 820700a)
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Supplements	HEK293T 10% FBS medium
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Doubling time	48 hours
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Subculturing	HEK293T cells are subcultured by trypsinization. The cells are seeded into new flasks at a density of 0.1×10^6 cells per flask. The cells are grown in HEK293T 10% FBS medium.
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Seeding density	0.1×10^6 cells/flask
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Fluid renewal	2-3 times per week
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Post-Thaw Recovery	HEK293T cells are thawed and seeded into new flasks. The cells are grown in HEK293T 10% FBS medium for 24 hours before use.
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Freeze medium	HEK293T cells are frozen in HEK293T 10% FBS medium + 10% DMSO. The cells are frozen in liquid nitrogen and stored at -80°C .
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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻，然后将细胞悬液转移至-150°C液氮中冷冻。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于70%相对湿度中培养。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于15 μm x 8 μm的细胞培养瓶中培养。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于300 x g离心3分钟，然后将细胞悬液转移至-150°C液氮中冷冻。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于10 μm x 10 μm的细胞培养瓶中培养。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻。

Incubation
Atmosphere

37°C, 5% CO₂, 相对湿度 70%

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻。

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻。

Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻。

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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