

TK6 | 300357

General information

Description	TK6 is a murine B cell line derived from a 5-week-old female mouse. It is a clonal cell line that produces monoclonal antibodies. The cells are grown in the presence of IL-6 and IL-3. The cell line is maintained in a serum-free medium containing IL-6 and IL-3. The cells are grown in the presence of IL-6 and IL-3. The cell line is maintained in a serum-free medium containing IL-6 and IL-3.
Organism	Murine
Tissue	B cell
Synonyms	TK-6, H2BT

Characteristics

Age	5 weeks
Gender	Female
Cell type	B cell
Growth properties	Adherent

Identification and documentation

Citation	TK6 (Cytion 300357)
Biosafety level	2
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0561

Media and reagents

Media

Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (Cytion 820700a)
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Product sheet

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Supplements 10% FBS, 2.5% β -mercaptoethanol

Subculturing 5-6 passages, 1:2-1:4 split ratio

Seeding density 1×10^5 cells/cm²

Fluid renewal 2-3 times per week

Freeze medium 10% FBS + 10% DMSO (10% FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Dilute cells into pre-warmed medium.
3. Seed cells into a T25 flask.
4. Incubate cells at 37°C in 5% CO₂.
5. Monitor cell growth and confluency.
6. Perform subculturing when cells reach 70-80% confluency.
7. Use cells for experiments when they are in the exponential growth phase.
8. Freeze cells for long-term storage.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Freeze cells in 10% FBS + 10% DMSO at -80°C

Shipping Conditions Ship cells at -80°C

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Storage
Conditions

Store at -150 °C to -196 °C in liquid nitrogen. Do not freeze at -80 °C. Thaw at room temperature. Do not shake. Do not vortex.

Do not use after the expiration date.

Sterility

The product is sterile and ready for use in PCR.

Do not use if the cap is damaged, if the product is cloudy, or if the product is contaminated.

HLA

A*: '01:01:01, '02:01:01
B*: '51:158:02, '57:01:01
C*: 06:02:01, 14:02:01
DRB1*: 07:01:01
DQA1*: 02:01:01
DQB1*: 02:02, 03:03:02
DPB1*: 13:01:01, 16:01:01
E: 01:03:02, 01:09