

Product sheet

MB49 | 305240

MB49

Description MB49 is a murine B cell hybridoma cell line derived from a fusion of a murine B cell and a myeloma cell line C57BL/6. It produces monoclonal antibodies against MB49-I, MB49-II, and MB49-III. MB49 is a murine B cell hybridoma cell line derived from a fusion of a murine B cell and a myeloma cell line C57BL/6. It produces monoclonal antibodies against MB49-I, MB49-II, and MB49-III. MB49 is a murine B cell hybridoma cell line derived from a fusion of a murine B cell and a myeloma cell line C57BL/6. It produces monoclonal antibodies against MB49-I, MB49-II, and MB49-III.

Organism Murine

Tissue B cell

Disease B cell leukemia

Synonyms MB-49

Characteristics

Breed/Subspecies C57BL/ICRF-a(t)

Age 12-16 weeks

Gender Male

Morphology B cell

Growth properties Adherent

References

Citation MB49 (ATCC CCL 220) Cytion 305240

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_7076

Additional information

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Karyotype 46,XY

XXXXXX

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM sodium pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are cultured in DMEM supplemented with 10% FBS in T25 flasks, 3-5 x 10⁶ cells in 75 cm² flasks, 3-5 x 10⁷ cells in 200 cm² flasks.

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath, transfer to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes, resuspend in 10% FBS medium.
3. Seed cells into T25 flasks with 10% FBS medium.
4. After 24 hours, replace medium with 70% fresh medium.
5. After 48 hours, replace medium with 100% fresh medium.
6. Harvest cells at 300 x g for 3 minutes.
7. Seed cells into T25 flasks with 10% FBS medium.
8. Harvest cells at 300 x g for 3 minutes.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture flasks are coated with Cell Culture Adhesion Promoter (CCAP).

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Freezing Procedure -78°C

Shipping Conditions -78°C

Storage Conditions -150 to 196

HLA

Sterility