

Product sheet

MA-CLS-2 | 300271

MA-CLS-2

Description MA-CLS-2 is a cell line derived from a patient with metastatic melanoma. It is characterized by its ability to grow in suspension and its high tumorigenicity in immunodeficient mice. MA-CLS-2 cells are highly proliferative and express melanocytic markers, including melanin production and expression of melanocyte-specific antigens. This cell line is used for studying melanoma biology and testing potential therapeutic interventions.

Organism Human

Tissue Skin

Disease Melanoma

Metastatic site Metastatic melanoma

Synonyms MACLS-2, MACLS2

Characteristics

Age 47 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent, suspension

References

Citation MA-CLS-2 (Cytion 300271)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_4571

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Cell Line Information

Tumorigenic Yes, tumorigenic in immunodeficient mice

Ploidy status Diploid

Characteristics

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

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in T25 flasks, 3-5 x 10^6 cells per flask. Cells are passaged every 2-3 weeks.

Seeding density 2 x 10^4 cells per flask

Fluid renewal 2-3 times per week

Post-Thaw Recovery 1-2 weeks

Freeze medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a) + 10% DMSO + 10% FBS

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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 flask containing 10 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments or passaged.
4. For passaging, remove the medium and wash the cells with PBS. Add 1 mL of trypsin solution and incubate at 37°C for 5 minutes.
5. Add 9 mL of medium to stop the trypsin reaction. Pipette up the cells and transfer to a new flask.
6. Seed the cells into a pre-warmed flask containing 10 mL of medium. Incubate at 37°C with 5% CO₂.
7. Once the cells have reached confluence, they can be used for experiments or passaged.
8. For passaging, remove the medium and wash the cells with PBS. Add 1 mL of trypsin solution and incubate at 37°C for 5 minutes.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating No coating

Freezing Procedure Harvest cells and resuspend in freezing medium. Store at -80°C.

Shipping Conditions Store at -80°C.

Storage Conditions Store at -150°C for 196 weeks.

HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR confirmed.

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HLA

A*: '24:02:01, '29:02:01

B*: '18:01:01, '51:08:01

C*: '12:03:01, '16:02:01

DRB1*: 05:12, 04:03:01

DQA1*: '03:01:01, '05:01:01

DQB1*: '02:01:01, '03:02:01

DPB1*: 04:01:01

E: '01:01:01, '01:03:02