

Product sheet

CA46 | 305082

CA46

Description
CA46 is a human cell line derived from a patient with nasopharyngeal carcinoma. It is a highly tumorigenic cell line that grows in suspension culture. The cells are characterized by their ability to form large, dense colonies in soft agar. CA46 cells are known to express EBV (Epstein-Barr Virus) and are used in research related to cancer biology and immunology.

Organism Human
Tissue Nasopharyngeal carcinoma

Disease Nasopharyngeal carcinoma
Synonyms CA-46, CA 46

Characteristics

Gender Male
Morphology Epithelial
Growth properties Adherent

References

Citation CA46 (ATCC CCL-222) Cytion 305082
Biosafety level 1
NCBI_TaxID 9606
CellosaurusAccession CVCL_1101

Receptors expressed

Receptors expressed CD44, CD47, CD147, CD151, CD152, CD153, CD154, CD155, CD156, CD157, CD158, CD159, CD160, CD161, CD162, CD163, CD164, CD165, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, CD271, CD272, CD273, CD274, CD275, CD276, CD277, CD278, CD279, CD280, CD281, CD282, CD283, CD284, CD285, CD286, CD287, 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Protein expression	EBV (EBV)
Antigen expression	HLA B27 (HLA A2, A11, B17, B27)
Viruses	EBV

Media

Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
Supplements	20% FBS
Subculturing	1:5
Fluid renewal	2-3
Freeze medium	EBV (EBV) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath, transfer to a centrifuge tube, and centrifuge at 300 x g for 5 minutes.
2. Remove the supernatant and resuspend the cells in a small volume of EBV-free medium.
3. Seed cells into a 96-well plate at a density of 100,000 cells per well.
4. Allow cells to attach for 24 hours, then replace the medium with EBV-free medium.
5. Seed cells into a 96-well plate at a density of 100,000 cells per well.
6. Seed cells into a 96-well plate at a density of 100,000 cells per well.
7. Seed cells into a 96-well plate at a density of 100,000 cells per well.
8. Seed cells into a 96-well plate at a density of 100,000 cells per well.

