

CA46 | 305082

CA46

Description	CA46 is a human epithelial cell line derived from a carcinoma of the stomach. It is a highly tumorigenic cell line that grows in the form of spheres in tissue culture. CA46 cells are positive for cytokeratin 19, cytokeratin 20, and cytokeratin 7. They are also positive for CD44, CD45, and CD47. CA46 cells are negative for CD31, CD34, and CD45RO. CA46 cells are negative for EBV, and they are negative for mycoplasma contamination.
Organism	Human
Tissue	Stomach
Disease	Stomach cancer
Synonyms	CA-46, CA 46

CA46

Gender	Male
Morphology	Epithelial
Growth properties	Adherent

CA46

Citation	CA46 (Cytion 305082)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1101

CA46

Receptors expressed	CD44, CD45, CD47
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Protein expression 

Antigen expression HLA B27 (XXXXXX XXXX HLA A2, A11, B17, B27)

Viruses EBV ☐ ☐ ☐ ☐ ☐

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

Supplements   20% FBS  

Subculturing

Fluid renewal 2 3 4 5 6 7 8 9 10

Freeze medium

Thawing and Culturing Cells

- [illegible]

Product sheet

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Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing
Procedure

Cells are seeded into 24-well plates and grown to confluence. Media is removed and cells are washed with PBS. Cells are then trypsinized and resuspended in freezing medium. The suspension is then aliquoted into 1 mL vials and frozen at -78°C.

Shipping
Conditions

Cells are shipped on dry ice at -78°C.

Storage
Conditions

Cells are stored at -150 to -196 °C in liquid nitrogen.

CA46 is a human cell line.

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for sterility using a sterility test kit. Cells are found to be free of mycoplasma and sterile.