

PEO6 Cell Line

Catalogue number: 151674

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: PEO6 Cell Line

Alternate name:

Class:

Conjugate:

Description: The PEO6 cell line is an adherent cell line derived from a malignant effusion from the peritoneal ascites of a patient with a poorly differentiated serous adenocarcinoma. The patient previously received cisplatin, 5-fluorouracil and chlorambucil treatment. PEO6 was collected at advanced, terminal stage disease. PEO6 is tumourigenic in immunologically-deprived CBA mice. PEO6 exhibits good growth in semi-solid medium (agar). PEO6 is from the same patient as the PEO1 and PEO4 cell lines This cell line is one of nine from the PE ovarian adenocarcinoma panel (derived from 4 patients at varying stages of ovarian cancer, isolated from various malignant sites, and at various treatment stages) which provides a model system for research into the mechanism of oestrogen action on ovarian adenocarcinoma tumour cells, and for the study of efficacy and toxicity of oestrogen antagonists.

Purpose:

Parental cell:

Organism: Human

Tissue: Ovary

Model: Tumour line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Adherent

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target:

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Split sub-confluent cultures (70-80%) 1:4 to 1:10 seeding at 2- 3 x 10⁴ cells/cm² using 0.25% trypsin or trypsin/EDTA; 5% CO₂; 37°C. Doubling time approximately 77 hours. RPMI-1640 + 2mM Glutamine + 2mM Sodium Pyruvate + 10% Foetal Bovine Serum.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools: PEO1 Cell Line ; PEO4 Cell Line ; PEO14 Cell Line ; PEO16 Cell Line ; PEO23 Cell Line ; PEO1-CDDP Cell Line ; TO14 Cell Line ; PEA1 Cell Line ; PEA2 Cell Line

References

References: Matassa et al. 2016. Cell Death Differ. :. PMID: 27206315. ; Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. ; The role of HDAC2 in chromatin remodelling and response to chemotherapy in ovarian cancer. ; Huang et al. 2015. Oncotarget. :. PMID: 26683361. ; Shields et al. 2015. Mol Syst Biol. 11(12):842. PMID: 26655797. ; A genome-scale screen reveals context-dependent ovarian cancer sensitivity to miRNA overexpression. ; Patel et al. 2015. Cell Oncol (Dordr). :. PMID: 26266765. ; Metformin and epithelial ovarian cancer therapeutics. ; Hearn et al. 2015. Proc Natl Acad Sci U S A. :. PMID: 26162681. ; Potent organo-osmium compound shifts metabolism in epithelial ovarian cancer cells. ; Tuthill et al. 2015. Oncogene. 34(16):2138-44. PMID: 24909167. ; TRAIL-R2-specific antibodies and recombinant TRAIL can synergise to kill cancer cells. ; Langdon et al. 1990. Br J Cancer. 62(2):213-6. PMID: 2386737. ; Oestrogen receptor expression and the effects of oestrogen and tamoxifen on the growth of human ovarian carcinoma cell lines. ; Langdon et al. 1988. Cancer Res. 48(21):6161-5. PMID: 3167862. ; Langdon et al. 1988. Cancer Res. 48(21):6166-72. PMID: 3167863. ; Effect of sodium butyrate and other differentiation inducers on poorly differentiated human ovarian adenocarcinoma cell lines. ; Characterization and properties of nine human ovarian adenocarcinoma cell lines.