

PEO16 Cell Line

Catalogue number: 151676

Sub-type:

Images:

Contributor

Inventor: Simon Langdon

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: PEO16 Cell Line

Alternate name:

Class:

Conjugate:

Description: The PEO16 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. PEO16 is an adherent cell line from a poorly differentiated serous adenocarcinoma derived from effusion of peritoneal ascites. PEO16 was collected after radiotherapy. PEO16 is tumourigenic in immunologically-deprived CBA mice. PEO16 exhibits poor growth in semi-solid medium (agar). PEO16 was from the same patient as PEO 14

Purpose:

Parental cell:

Organism: Human

Tissue: Ovary

Model: Tumour line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

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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:

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Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Split sub-confluent cultures (70-80%) 1:4 to 1:10 seeding at $2-3 \times 10^4$ cells/cm² using 0.25% trypsin or trypsin/EDTA; 5% CO₂; 37°C. Doubling time approximately 40 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 ; PEO6 Cell Line ; PEO14 Cell Line ; PEO23 Cell Line ; PEO1-CDDP Cell Line ; TO14 Cell Line ; PEA1 Cell Line ; PEA2 Cell Line

References

References: 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. ; Degos et al. 1979. Gastroenterol Clin Biol. 3(10):735-9. PMID: 316786. ; [The natural history of gastrointestinal bleeding in patients with alcoholic cirrhosis. Definition of a subgroup of patients with high risk of bleeding recurrence (author's transl)]

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