

TO14 Cell Line

Catalogue number: 151680

Sub-type:

Images:

Contributor

Inventor: Simon Langdon

Institute: Cancer Research UK Edinburgh Centre

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: TO14 Cell Line

Alternate name:

Class:

Conjugate:

Description: The TO14 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. TO14 is an adherent cell line derived from a metastasis to the omentum obtained at hysterectomy from a patient with a well differentiated serous adenocarcinoma. TO14 exhibits poor growth in semi-solid medium (agar). TO14 is from the same patient as PEO23 cell line. This is a oestrogen receptor negative cell line. Cell line morphology: epithelial; stellate in shape and producing hemicystic colonies which grow upwards from the substrate and detach as spheres.

Purpose:

Parental cell:

Organism: Human

Tissue: Ovary

Model:

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: RPMI 1640 + 2mM Glutamine + 2mM Sodium Pyruvate + 10% Foetal Bovine Serum (FBS).

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 ; PEO16 Cell Line ; PEO23 Cell Line ; PEA1 Cell Line ; PEA2 Cell Line ; PEO14 Cell Line ; PEO1-CDDP Cell Line

References

References: Matassa et al. 2016. Cell Death Differ. :. PMID: 27206315. ; Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. ; Beaufort et al. 2014. PLoS One. 9(9):e103988. PMID: 25230021. ; Ovarian cancer cell line panel (OCCP): clinical importance of in vitro morphological subtypes. ; 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):6166-72. PMID: 3167863. ; Characterization and properties of nine human ovarian adenocarcinoma cell lines.

CancerTools.org