PEO1 Cell Line

Catalogue number: 151672
Sub-type:
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: PEO1 Cell Line

Alternate name:

Class:
Conjugate:
Description: The PEO1 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 protagonists. PEO1 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. PEO1 is tumourigenic in immunologically-deprived CBA mice. PEO1 exhibits good growth in semi-solid medium (agar). PEO1 is from the same patient as the PEO4 and PEO6 cell lines
Purpose:
Parental cell:
Organism: Human
Tissue: Ovary
Model: Tumourigenic
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:

Growth properties: Adherent
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes: Please be aware that the originating laboratory of the PEO1 cell line acknowledges that PEO1 is both genetically unstable and derived from a heterogeneous population that was already present in the patient at the time of biopsy. This is evident in the literature (Cooke et al., 2010). Genetic differences within the PEO1 PEO4 and PEO6 cell lines suggest that PEO4 and PEO6 are not direct descendants of PEO1 but have diverged from a common ancestor

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: 37° C
Atmosphere:
Volume: 1 ml
Storage medium:
Storage buffer:
Storage conditions: Liquid Nitrogen
Shipping conditions: Dry ice

Related tools

Related tools: PEO6 Cell Line ; PEO14 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: Colom et al. 2015. Immunity. 42(6):1075-86. PMID: 26047922. ; Leukotriene B4-Neutrophil Elastase Axis Drives Neutrophil Reverse Transendothelial Cell Migration In Vivo. ; Chen et al. 2015. Mucosal Immunol. 8(2):390-402. PMID: 25160819. ; IL-23 activates innate lymphoid cells to promote neonatal intestinal pathology. ; Pericytes support neutrophil subendothelial cell crawling and breaching of venular walls in vivo. ; Voisin et al. 2010. Am J Pathol. 176(1):482-95. PMID: 20008148. ; Venular basement membranes ubiquitously express matrix protein low-expression regions: characterization in multiple tissues and remodeling during inflammation. ; Young et al. 2007. Br J Pharmacol. 151(5):628-37. PMID: 17471175. ; Role of neutrophil elastase in LTB4-induced neutrophil transmigration in vivo assessed with a specific inhibitor and neutrophil elastase deficient mice. ; Hobbs et al. 2003. Mol Cell Biol. 23(7):2564-76. PMID: 12640137. ; Myeloid cell function in MRP-14 (S100A9) null mice.