

NUCOLL43 Cell Line

Catalogue number: 153716

Sub-type: Primary

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: NUCOLL43 Cell Line

Alternate name: O-CCC, ovarian clear cell carcinoma, HGSC, high grade ovarian cancer, TP53, CA125, LOH, loss of heterozygosity

Class:

Conjugate:

Description: Ovarian cancer is a significant cause of death in women worldwide with the majority of ovarian cancers forming in women under the age of 65. Due to late stage diagnosis and a lack of reliable screening tests, survival rates after 5 years are below 50% in developing countries. Ovarian cancer can spread to tissues in close proximity to the ovaries, including the lining of the abdomen, lungs, lymph nodes and liver. Ovarian cancer has a number of histological subtypes and ovarian clear cell carcinomas generally respond poorly to chemotherapy. NUCOLL43 was established from ascitic fluid from a female 57 year old white British patient without artificial immortalisation. Cells display a complete loss of TP53 expression and function despite having no loss of chromosome 17p and show highly similar pan-genomic similarity to the original patient tumor. Like the original tumor, the cells also expressed epithelial and mesenchymal characteristics. NUCOLL43 cells poses a very high degree of loss of heterozygosity which affected 85% of the genome. NUCOLL43 cells are resistant to cisplatin and rucaparib, but sensitive to paclitaxel, camptothecin and NVP-BEZ 235.

Purpose:

Parental cell: Clear cell adenocarcinoma of gynecological origin

Organism: Human

Tissue: Ovary

Model: Cancer Model

Gender: Female

Isotype:

Reactivity:

Selectivity:

Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties: Doubling time approximately 45 hours
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: NUCOLL43 was established from ascitic fluid from a female 57 year old white British patient without artificial immortalisation. Cells display a complete loss of TP53 expression and function despite having no loss of chromosome 17p and show highly similar pan-genomic similarity to the original patient tumor. Like the original tumor, the cells also expressed epithelial and mesenchymal characteristics. NUCOLL43 cells poses a very high degree of loss of heterozygosity which affected 85% of the...

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: RPMI-1640 media supplemented with 20% FBS and cultured at 37°C in 5% CO₂.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools:

References

References:

CancerTools.org