

RLUN017-2 Lung cancer organoid

Catalogue number: 160946

Tool type:

Contributor

Inventor: Medical-Industrial Translational Research Center

Institute: Fukushima Medical University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: RLUN017-2 Lung cancer organoid

Alternate name: RLUN017-2, RLUN17-2, RLUN17, RLUN017

Class:

Conjugate:

Description: A series of novel patient-derived organoids (PDOs) have been constructed from different tumour tissue types under the Fukushima Translational Research Project, designated as F-PDO. F-PDOs form large cell clusters with a morphology similar to the original tumour and can be cultured for more than six months. Our comparative histological and comprehensive gene expression analyses have shown that the characteristics of F-PDOs were similar to their source tumours, even after long-term growth in culture conditions

Purpose:

Parental cell:

Organism: Human

Tissue: Lung

Model:

Gender: Female

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Suspension

Production details:

Formulation:

Recommended controls:

Bacterial resistance:
Selectable markers:
Additional notes:

Patient details

Cancer subtype:
Cancer stage/grade:
Biopsy site:
Patient ethnicity:
Treatment history:

Engraftment details

Mice passaged?:
Engraftment site:
Sample type:
Host strain:
Histology:
Genetic data:

Target details

Target:
Target alternate names:
Target background:
Molecular weight:
Ic50:

Applications

Application: 3D cell culture, High-throughput screening
Application notes:

Handling

Format: Frozen
Concentration:
Passage number: 5
Growth medium: Cancer Cell Expansion Media plus (Fujifilm Wako Pure Chemical, Ltd.).
Temperature: 37° C
Atmosphere: 5% CO2
Volume:

1 ml

Storage medium: CELLBANKER 2

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Takahashi et al. 2019. Cells 20: 481. PMC6562414

CancerTools.org