

RCOL009 Colorectal cancer organoid

Catalogue number: 160904

Sub-type: Organoids

Images:

Contributor

Inventor: Medical-Industrial Translational Research Center

Institute: Fukushima Medical University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: RCOL009 Colorectal cancer organoid

Alternate name: RCOL009, RCOL9

Class:

Conjugate:

Description: A series of novel patient-derived organoids (PDOs) have been constructed from different tumor 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 tumor 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 tumors, even after long-term growth in culture conditions

Purpose:

Parental cell:

Organism: Human

Tissue: Colorectal

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:

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.) with 10 ng/ml bFGF, 10 Å?M Y27632, and 1Å?M A8301.

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:

CancerTools.org