

Resource Summary Report

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A549-Dual KO-MDA5 hACE2-TMPRSS2

RRID:CVCL_A7ZR

Type: Cell Line

Proper Citation

RRID:CVCL_A7ZR

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A7ZR

Proper Citation: RRID:CVCL_A7ZR

Description: Cell line A549-Dual KO-MDA5 hACE2-TMPRSS2 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Lung adenocarcinoma

Comments: Characteristics: Stably expresses two reporter genes: SEAP (secreted ALPP) and the Lucia luciferase. In this cell line SEAP is under the control of an IFN-beta minimal promoter fused to 5 NF-kappaB binding sites. The Lucia luciferase reporter gene is under the control of an ISG54 minimal promoter in conjunction with 5 IFN-stimulated response elements (ISRE) (InvivoGen=a549d-komda5-cov2r)., Characteristics: Ideal for studying SARS-CoV-2 viral entry into host cells, the viral RNA sensing pathway, as well as screening small molecule inhibitors and neutralizing antibodies. These cells are permissive to infection by SARS-CoV-2 Spike-pseudotyped viral particles (InvivoGen=a549d-komda5-cov2r)., Population: Caucasian., Group: SARS-CoV-2 research cell line.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: A549-Dual KO-MDA5 hACE2-TMPRSS2

Cross References: cancercelllines:CVCL_A7ZR, InvivoGen:a549d-komda5-cov2r, Wikidata:Q107113330

ID: CVCL_A7ZR

Hierarchy: cvcl_a7zp

Record Creation Time: 20220427T215107+0000

Record Last Update: 20260802T005641+0000

Ratings and Alerts

No rating or validation information has been found for A549-Dual KO-MDA5 hACE2-TMPRSS2.

No alerts have been found for A549-Dual KO-MDA5 hACE2-TMPRSS2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.