

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

A549-hACE2-TMPRSS2

RRID:CVCL_A5KB

Type: Cell Line

Proper Citation

RRID:CVCL_A5KB

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_A5KB

Proper Citation: RRID:CVCL_A5KB

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

Sex: Male

Disease: Lung adenocarcinoma

Comments: Virology: Highly susceptible to infection by SARS coronavirus 2 (SARS-CoV-2) (COVID-19) and/or spike-pseudotyped lentiviral particles (InvivoGen=a549-hace2tpsa)., Population: Caucasian., Group: SARS-CoV-2 research cell line.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: A549-hACE2-TMPRSS2

Cross References: cancercellines:CVCL_A5KB, InvivoGen:a549-hace2tpsa, Wikidata:Q107113337

ID: CVCL_A5KB

Hierarchy: cvcl_a5ka

Record Creation Time: 20220427T215107+0000

Record Last Update: 20260726T002028+0000

Ratings and Alerts

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

No alerts have been found for A549-hACE2-TMPRSS2.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Ye ZW, et al. (2025) A live attenuated SARS-CoV-2 vaccine constructed by dual inactivation of NSP16 and ORF3a. EBioMedicine, 114, 105662.

Zhang X, et al. (2024) Characterizing fitness and immune escape of SARS-CoV-2 EG.5 sublineage using elderly serum and nasal organoid. iScience, 27(5), 109706.