

Resource Summary Report

Generated by [RRID](#) on Sep 3, 2026

VeroE6/TMPRSS2

RRID:CVCL_YQ49

Type: Cell Line

Proper Citation

JCRB Cat# JCRB1819, RRID:CVCL_YQ49

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_YQ49

Proper Citation: JCRB Cat# JCRB1819, RRID:CVCL_YQ49

Description: Cell line VeroE6/TMPRSS2 is a Spontaneously immortalized cell line with a species of origin Chlorocebus sabaeus (Green monkey)

Sex: Female

Defining Citation: [PMID:31013314](#), [PMID:32165541](#)

Comments: Virology: Highly susceptible to infection by Middle East respiratory syndrome-related coronavirus (MERS-CoV), SARS coronavirus (SARS-CoV) and SARS coronavirus 2 (SARS-CoV-2) (COVID-19) (PubMed=32165541)., Group: SARS-CoV-2 research cell line., Group: Non-human primate cell line.

Category: Spontaneously immortalized cell line

Organism: Chlorocebus sabaeus (Green monkey)

Name: VeroE6/TMPRSS2

Cross References: JCRB:JCRB1819, Wikidata:Q91354600

ID: CVCL_YQ49

Vendor: JCRB

Catalog Number: JCRB1819

Hierarchy: cvcl_0574

Record Creation Time: 20250130T073020+0000

Record Last Update: 20260830T001807+0000

Ratings and Alerts

No rating or validation information has been found for VeroE6/TMPRSS2.

No alerts have been found for VeroE6/TMPRSS2.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 520 mentions in open access literature.

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

Pasquero S, et al. (2026) Targeting peptidyl-arginine deiminase 4 suppresses SARS-CoV-2 replication and modulates the inflammatory response. *iScience*, 29(3), 115038.

Simanihuruk V, et al. (2026) Broad-spectrum antiviral activity of antisense oligonucleotides targeting GBF1 against SARS-CoV-2 and influenza viruses. *iScience*, 29(3), 114851.

Criscuolo E, et al. (2026) miR-29a and miR-15b Modulate SARS-CoV-2 Beta and Omicron Infection in Human Lung Epithelial Cells. *International journal of molecular sciences*, 27(13).

Anaya EU, et al. (2026) Antibody Transcytosis and Neutralizing Activity in Respiratory Epithelial Cells. *bioRxiv : the preprint server for biology*.

Rahmani Manesh M, et al. (2026) Early Surge in Brain GFAP Distribution in Female Hamsters With Mild Peripheral COVID-19. *Journal of neurochemistry*, 170(5), e70437.

Uraki R, et al. (2025) An mRNA vaccine encoding the SARS-CoV-2 Omicron XBB.1.5 receptor-binding domain protects mice from the JN.1 variant. *EBioMedicine*, 117, 105794.

Waki K, et al. (2025) Comprehensive analysis of nasal IgA antibodies induced by intranasal administration of the SARS-CoV-2 spike protein. *eLife*, 12.

Phadke KS, et al. (2024) In vitro comparison of viral replication and cytopathology induced by SARS-CoV-2 variants. *Access microbiology*, 6(7).

Tortorici MA, et al. (2024) Persistent immune imprinting occurs after vaccination with the COVID-19 XBB.1.5 mRNA booster in humans. *Immunity*.

Yang Z, et al. (2024) Interaction between host G3BP and viral nucleocapsid protein regulates SARS-CoV-2 replication and pathogenicity. *Cell reports*, 43(3), 113965.

St Clair LA, et al. (2024) Reduced control of SARS-CoV-2 infection associates with lower mucosal antibody responses in pregnancy. *mSphere*, 9(3), e0081223.

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.

Bi W, et al. (2024) An enhanced broad-spectrum peptide inhibits Omicron variants in vivo. *Cell reports. Medicine*, 5(2), 101418.

Zhang L, et al. (2024) Rapid spread of the SARS-CoV-2 JN.1 lineage is associated with increased neutralization evasion. *iScience*, 27(6), 109904.

Houghton MJ, et al. (2024) The flavonoid quercetin decreases ACE2 and TMPRSS2 expression but not SARS-CoV-2 infection in cultured human lung cells. *BioFactors* (Oxford, England).

Dickey TH, et al. (2024) RBD design increases the functional antibody titers elicited by SARS-CoV-2 spike vaccination. *Antiviral research*, 228, 105937.

Takeda Y, et al. (2023) Virucidal Activities of Acidic Electrolyzed Water Solutions with Different pH Values against Multiple Strains of SARS-CoV-2. *Applied and environmental microbiology*, 89(1), e0169922.

Sayama Y, et al. (2023) Seroprevalence of four endemic human coronaviruses and, reactivity and neutralization capability against SARS-CoV-2 among children in the Philippines. *Scientific reports*, 13(1), 2310.

Matsui H, et al. (2023) Assessment of environmental surface contamination with SARS-CoV-2 in concert halls and banquet rooms in Japan. *Journal of infection and chemotherapy : official journal of the Japan Society of Chemotherapy*, 29(6), 604.

Morita M, et al. (2023) Upregulation of Robo4 expression by SMAD signaling suppresses vascular permeability and mortality in endotoxemia and COVID-19 models. *Proceedings of the National Academy of Sciences of the United States of America*, 120(3), e2213317120.