



Pseudotyped VSV-Pangolin CoV S-ΔG-Luciferase (PCoV_GD1) (PSVCD105)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Pseudotyped VSV-Pangolin CoV S-ΔG-Luciferase (PCoV_GD1) encodes the antigenomic-sense (or positive-sense) RNA of a replicon-restricted recombinant vesicular stomatitis virus (rVSV) in which the glycoprotein (G) gene has been replaced with Pangolin CoV spike protein. Because the infectivity of Pseudotyped VSV-Pangolin CoV S-ΔG-Luciferase is restricted to a single round of replication, the pseudotypes can be handled using BSL-2 containment practices. The pseudotype VSV particles encode Luciferase together with the VSV nucleocapsid (N), phosphoprotein (P), glycoprotein (G), and large polymerase subunit (L) in their pVSV-ΔG vector. When the VSV pseudovirus infect the target cells, Luciferase expression is proportional to the number of cells that were infected.

Antigen Description

PCoV Envelope Protein

Species

Pangolin Coronavirus

Applications

Dilute the SARS-CoV-2 pseudotyped virus to 1.3E+04 TCID50/ml in complete DMEM. We recommend to use 50 µl of the diluted pseudotyped virus per 2E+04 Huh-7 cells for in vitro assay. Due to differences in cell status, the best infection conditions and MOI should be determined by the end user. The virus can be diluted with cell culture medium if needed.

Size

2×100 µl, 5×100 µl, 10×100 µl

Storage

Store at -80°C. Multiple freeze/thaw cycles not recommended. When using the virus, transfer the virus from the -80°C refrigerator and melt it in an ice bath.

Ship

Frozen on dry ice

BACKGROUND

Keywords

PCoV Envelope Protein; PCoV; PCoV; PCoV Envelope glycoprotein; PCoV glycoprotein; Pangolin coronavirus; Pangolin coronavirus glycoprotein; PCoV_GX-P5L; PCoV-GX-P5L; PCoV Spike; Pangolin coronavirus Pseudovirus; PCoV Pseudovirus; PCoV_GD1; PCoV-GD1
