

Recombinant Vesicular Stomatitis Virus pseudotyped Ebola glycoprotein

Catalog No: tcip3048



Available Sizes

Size: 450 μ l



Specifications

Application:

Neutralization

Research Area:

Virology

Concentration:

Size: 1 x 10 pfu/mL is supplied in Advanced DMEM supplemented with 1% Fetal Bovine Serum, L-glutamine and Penicillin/Streptomycin in 150 μ L.

Storage Instruction:

2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

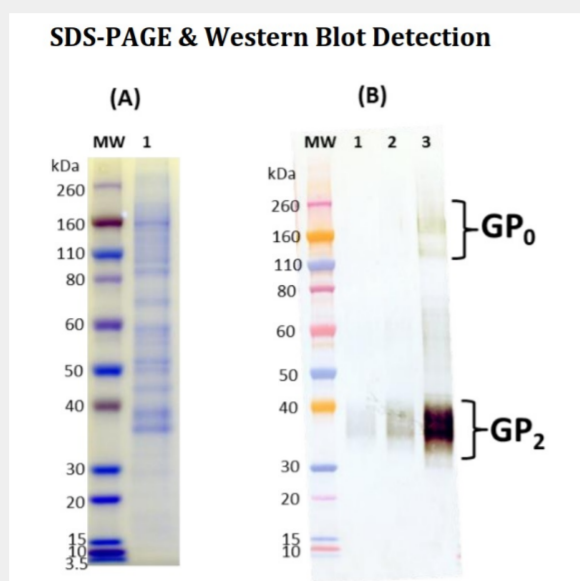
Relevance:

This rVSV contains Ebola Virus glycoprotein and serves as a tool to enhance filovirus research performed using just biosafety level 2 (BSL-2) containment.

Product Description

Recombinant Vesicular Stomatitis Virus pseudotyped Ebola glycoprotein (rVSV

pseudotyped EBOV GP) system in which the G protein of VSV has been deleted, replaced with firefly luciferase and used to produce VSV pseudotypes containing the envelope glycoprotein of Ebola virus. Since the infectivity of rVSV pseudotyped EBOV GP is restricted to a single round of replication, analyses of viral entry can be performed using just biosafety level 2 (BSL-2) containment. Infectivity and neutralization of infectivity can be measured by luciferase activity.



(A) SDS-PAGE and stain demonstrating 3 µg of MMARV rGPΔTM His-tagged protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of MMARV rGPΔTM His-® tagged at 50 ng, 100 ng, and 500 ng (lanes 1-3) using Taiclone's anti-MARV GP polyclonal antibody (cat#tcia147) at 0.5ug/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.

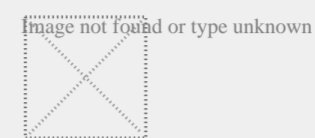


Plate was coated with MMARV rGPΔTM His-tagged starting at 800 ng/well, serially diluted in DPBS. Washed plate was detected using one dilution of a positive control serum, followed with anti-IgG HRP conjugate and TMB substrate. OD 650 is reported. Background of MMARV rGPΔTM coated plate without positive control serum was 0.066 OD 650 .

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!