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Recombinant Vesicular Stomatitis Virus pseudotyped MARV-Angola glycoprotein

Catalog #: 1004-001

Lot #: 1809001

Description: Recombinant Vesicular Stomatitis Virus pseudotyped Angola marburgvirus glycoprotein (rVSV pseudotyped MARV-Angola 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 Angola marburgvirus. Since the infectivity of rVSV pseudotyped MARV-Angola 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.

Storage: -80°C

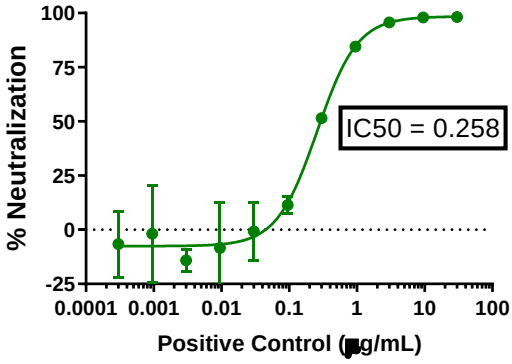
Size: 100 µL @ 5.2e8 RLU*/mL is supplied in Advanced DMEM supplemented with 1% Fetal Bovine Serum, L-glutamine and Penicillin/ Streptomycin, sufficient for one 96-well assay.

*RLU = Relative Light Units

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

Related Products: *IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.*

Neutralization Data:



An anti-MARV mAb starting at 30 µg/mL, followed by semi-log serial dilutions, was incubated with the rVSV pseudotyped with MARV-Angola GP, for one hour prior to adding to Vero cells. Infectivity was determined the next day by assessing luciferase activity. Percent neutralization was calculated based on the control (rVSV pseudotyped with MARV-Angola GP, alone)

References:

1. Whitt, M.A., Generation of VSV pseudotypes using recombinant DeltaG-VSV for studies on virus entry, identification of entry inhibitors, and immune responses to vaccines. J. Virol. Methods, 2010. 169(2): p. 365-74.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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