



Pseudotyped VSV-SUDV Glycoprotein-ΔG-Luciferase (PSVCD103)

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

PRODUCT INFORMATION

Product Overview	Recombinant Vesicular Stomatitis Virus pseudotyped Sudan glycoprotein (rVSV pseudotyped SUDV 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 Sudan virus. Since the infectivity of rVSV pseudotyped SUDV 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.
Antigen Description	Sudan Virus Envelope Glycoprotein
Species	Sudan Virus
Concentration	8.55E+07 RLU/ml
Size	40 µl
Buffer	DMEM, 1% FBS, L-glutamine and Penicillin/Streptomycin
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	Sudan glycoprotein; Sudan virus glycoprotein; SUDV; SUDV GP; SUDV glycoprotein; Sudan virus; Sudan virus GP; Sudan virus envelop protein; Sudan virus envelop glycoprotein; SUDV Pseudovirus; Sudan virus Pseudovirus; Sudan Pseudovirus
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GENE INFORMATION

References

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2. Howell, K.A., et al., Cooperativity Enables Non-neutralizing Antibodies to Neutralize Ebolavirus. *Cell Reports*, 2017. 19(2): p. 413-424.