

Sudan virus-like particles (SUDV VLP)

Catalog No: tcip3028



Available Sizes

Size: 1mg



Specifications

Application:

WB

Research Area:

Virology

Form:

Frozen Liquid

Concentration:

Supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of 2.073 mg/mL

Purity / Grade:

Column chromatography

Storage Instruction:

2-3 weeks at -20°C, -80°C long term

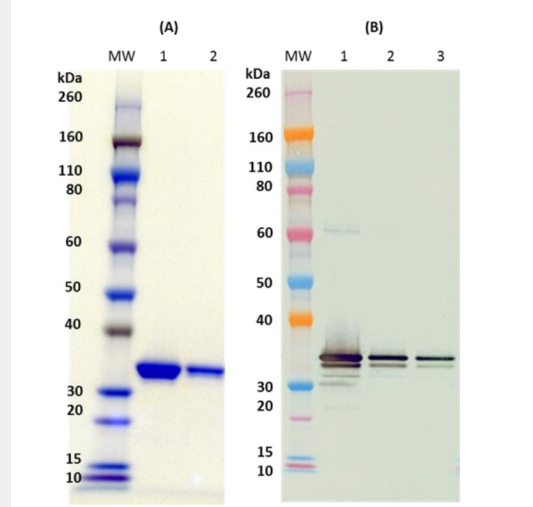
Relevance:

Since these VLP's mimic Sudan virus but do not contain genetic material, thus are not infectious and make an ideal candidate as a vaccine and also as a tool to enhance filovirus research.

Product Description

Virus-like Particles (VLP's) expressing recombinant Sudan virus (SUDV) glycoprotein (GP), nucleoprotein (NP), and matrix protein (VP40). These VLP's are produced in Sf9 insect cells through infection with a recombinant baculovirus. ;

SDS-PAGE & Western Blot Detection:



(A) SDS-PAGE and stain demonstrating 5 µg and 1 µg (lanes 1-2) of MARV VP40 protein under denaturing and reducing conditions. MW denotes Novex Sharp pre-stained protein markers. (B) Western blot detection of MARV VP40 at 500 ng, 100 ng, and 50 ng (lanes 1-3). MARV VP40 was detected using Taiclone's polyclonal antibody at 100 ng/mL (Cat. # tcia146) and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data:

| MARV VP40 ng/well | OD 650 nm |
|----------------------|-----------|
| 800.00 | 3.492 |
| 400.00 | 3.614 |
| 200.00 | 3.239 |
| 100.00 | 3.136 |
| 50.00 | 3.098 |
| 25.00 | 2.633 |
| 12.50 | 2.031 |
| 6.25 | 1.222 |
| 3.13 | 0.629 |
| 1.56 | 0.384 |
| 0.78 | 0.298 |

Plate was coated with MARV VP40 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.

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