

# Sudan virus-like particles (SUDV VLP)

Catalog No: tcip3028



## Available Sizes

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**Size:** 1mg



## Specifications

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**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

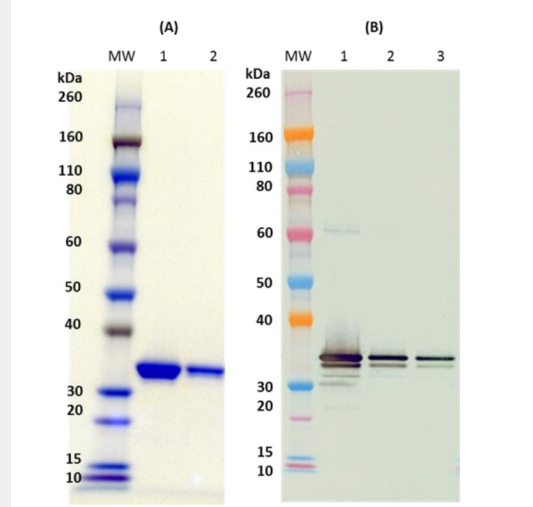
**Relevance:**

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 5ug and 1 ug (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!