

## Recombinant Sudan virus VP40 matrix protein (SUDV VP40)

Catalog #: 0569-001

### Description:

Recombinant, tag free, purified Sudan virus (SUDV) matrix protein (VP40) is expressed in *E. coli* and the recombinant protein is purified using FPLC.

**Formulation & Storage:** Supplied in HEPES buffer (pH 7.5) containing sodium chloride, 5% glycerol and 0.1% Triton-X. **Store at -80°C.**

### Notes & Usage Guidelines:

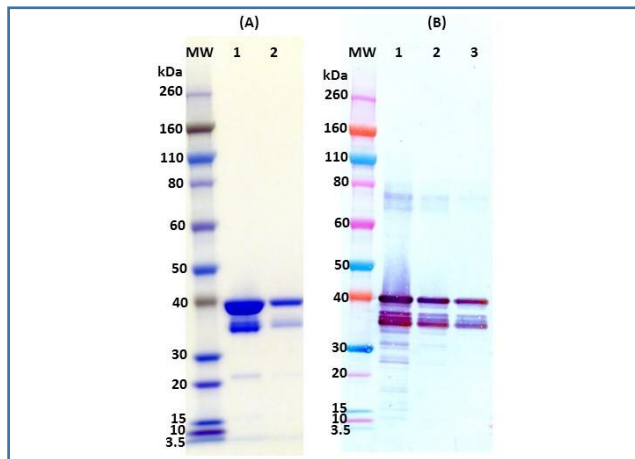
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 5 µg and 1 µg (Lanes 1 and 2) of SUDV VP40 protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein markers. (B) Western blot detection of SUDV VP40 at 500 ng, 100 ng, and 50 ng (Lanes 1-3). SUDV VP40 was detected using IBT's polyclonal antibody at 100 ng/mL (Catalog # 0302-001) and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



### ELISA Data:

Plate was coated with SUDV 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. OD650 is reported below.

SUDV VP40 ng/well	OD 650 nm
800.00	3.421
400.00	3.538
200.00	3.370
100.00	3.174
50.00	2.727
25.00	2.278
12.50	1.791
6.25	1.202
3.13	0.623
1.56	0.463
0.78	0.279
0.39	0.178
Background Control	0.072

### Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at [services@ibtbioservices.com](mailto:services@ibtbioservices.com)

### Related Products:

IBT provides a wide array of anti-filovirus specific antibodies, recombinant proteins, and other infectious disease reagents. Please see our website, [www.ibtbioservices.com](http://www.ibtbioservices.com) for more details.

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