

## Recombinant Sudan virus Glycoprotein minus the Transmembrane Region (SUDV rGPΔTM) GULU strain

Catalog #: 0502-025

### Description:

Mature, recombinant, HIS-tagged Sudan virus Glycoprotein minus the transmembrane domain (SUDV rGPΔTM), GULU strain, is supplied as purified protein. SUDV rGPΔTM is produced in mammalian cells and is purified by FPLC.

**Formulation & Storage:** Supplied in PBS. Store at -20°C for 2-3 weeks, -80°C for long term.

### Notes & Usage Guidelines:

**ELISA:** Assay-dependent dilution

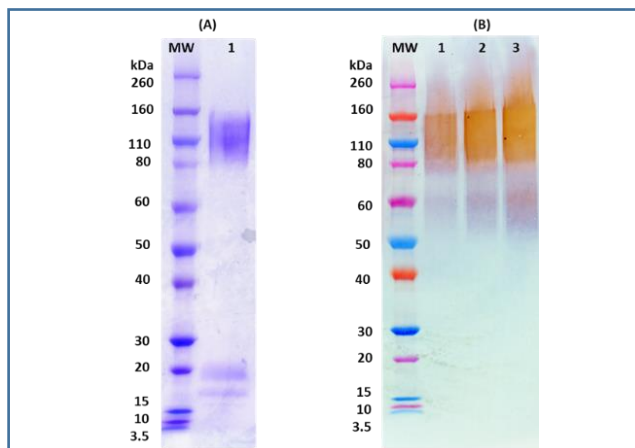
**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 5 µg (Lane 1) of SUDV rGPΔTM HIS-Tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers.

(B) Western blot detection of SUDV rGPΔTM at 50 ng, 100 ng, and 500 ng (Lanes 1-3). SUDV rGPΔTM was detected using IBT's monoclonal antibody 2H5 (Catalog # 0202-029) at 0.5 µg/mL and anti-mouse IgG-HRP conjugate, followed by TMB substrate.



### ELISA Data:

Plate was coated with SUDV rGPΔTM 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. Background of SUDV rGPΔTM coated plate without positive control serum was 0.074 OD650.

SUDV GPΔTM ng/well	OD 650 nm
800.00	3.309
400.00	3.281
200.00	3.239
100.00	3.430
50.00	3.347
25.00	3.392
12.50	3.373
6.25	3.266
3.13	2.876
1.56	2.381
0.78	1.627
0.39	0.935

### 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:

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