



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

Catalog #: 0502-001

# **Description:**

Mature, recombinant, HA-tagged Sudan virus Glycoprotein minus the transmembrane domain (SUDV rGP $\Delta$ TM) is supplied as purified protein. SUDV rGP $\Delta$ TM 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:**

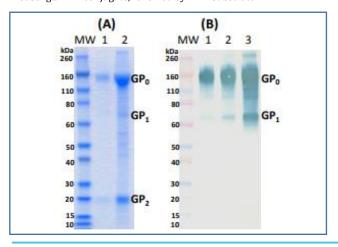
**ELISA:** Assay-dependent dilution **WB:** Assay-dependent dilution

# **Applications**

#### SDS-PAGE and Western Blot Data:

Quality control testing demonstrates strong detection of GP null and GP1 under reduced conditions down to 50 ng when using IBT's monoclonal antibody 2H5 (Catalog # 0202-029) at  $0.5 \,\mu g/mL$ .

(A) SDS-PAGE and stain demonstrating 1  $\mu g$ , 5  $\mu g$  (Lanes 1 and 2 respectively) of SUDV rGP $\Delta$ TM HA-Tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of SUDV rGP $\Delta$ TM at 50 ng, 100 ng, and 500 ng (Lanes 1-3). SUDV rGP $\Delta$ TM was detected using IBT's monoclonal antibody 2H5 (Catalog # 0202-029) at 0.5  $\mu g$ /mL and antimouse IgG-HRP conjugate, followed by TMB substrate.



#### **ELISA Data:**

Plate was coated with SUDV rGP $\Delta$ TM 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 rGP $\Delta$ TM coated plate without positive control serum was 0.046 OD650.

SUDV GPATM	
ng/well	OD 650 nm
800.00	3.332
400.00	3.276
200.00	3.303
100.00	3.366
50.00	3.282
25.00	3.281
12.50	2.496
6.25	1.708

### **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

# **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 for more details.

The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, LLC.