

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

Catalog #: 0502-015

Description:

Mature, recombinant, His-tagged Sudan virus Glycoprotein minus the transmembrane domain (SUDV rGPΔTM) is supplied as purified protein. SUDV rGPΔTM is produced in Sf9 insect cells using baculovirus for expression and is purified by FPLC.

Formulation & Storage: Supplied in PBS and supplemented with glycerol, arginine and glutamic acid. **Store at** -20°C for 2-3 weeks, -80°C for long-term.

Notes & Usage Guidelines:

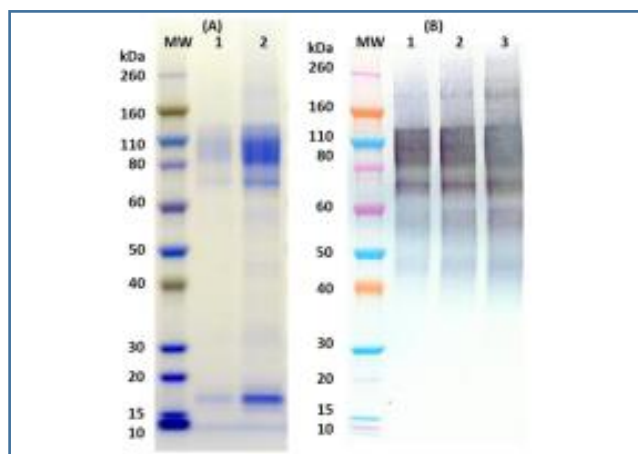
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lanes 1 and 2 respectively) 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 200 ng (Lanes 1-3). SUDV rGPΔTM was detected using IBT's anti-SUDV GP monoclonal antibody (2H5) (Catalog # 0202-029) at 0.5 µg/mL and anti-mouse IgG-HRP conjugate, followed by TMB membrane 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 0.082 OD650.

SUDV rGPΔTM ng/well	Mean OD650 nm
800.00	3.321
400.00	3.403
200.00	3.433
100.00	3.475
50.00	3.435
25.00	3.418
12.50	3.337
6.25	3.237
3.13	2.993
1.56	2.411
0.78	1.633
0.39	1.011

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.