

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

Catalog #: 0502-002

Description:

Mature, recombinant, HIS-tagged Sudan virus Glycoprotein minus the transmembrane domain (SUDV rGPΔTM) 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:

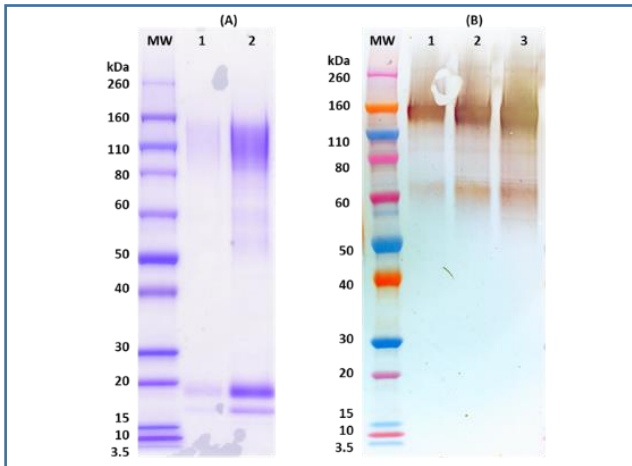
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 μg, 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 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 0.85 OD650.

SUDV GPΔTM ng/well	OD 650 nm
800.00	3.506
400.00	3.420
200.00	3.442
100.00	3.474
50.00	3.483
25.00	3.474
12.50	3.459
6.25	3.244
3.13	2.944
1.56	2.420
0.78	1.484
0.39	0.848

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.

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