

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 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

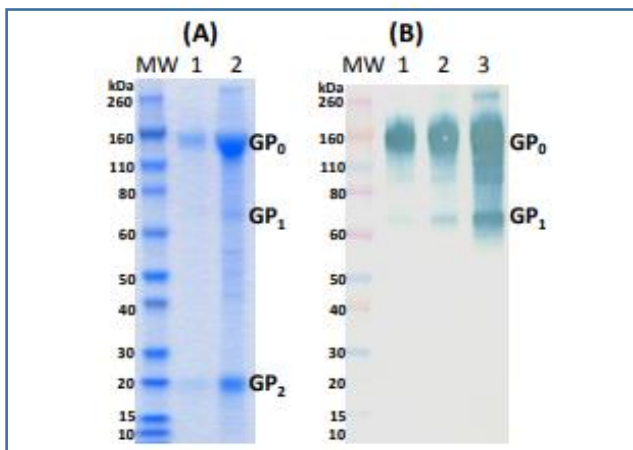
WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

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 µg/mL.

(A) SDS-PAGE and stain demonstrating 1 µg, 5 µg (Lanes 1 and 2 respectively) of SUDV rGPΔTM HA-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 0.046 OD650.

SUDV GPΔTM 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.

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