

Recombinant Sudan virus Glycoprotein minus Transmembrane and Mucin domain (SUDV rGPΔmuc)

Catalog #: 0512-015

Description:

Recombinant, His-tagged Sudan virus Glycoprotein minus the transmembrane and mucin-like domain (SUDV rGPΔmuc) is supplied as purified protein. SUDV rGPΔmuc 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:

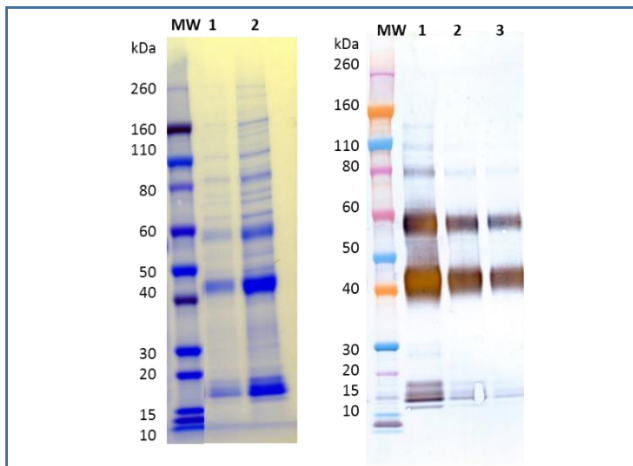
ELISA: Assay-dependent dilution

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 rGPΔmuc His-tag protein under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein markers. (B) Western blot detection of SUDV rGPΔmuc at 500 ng, 100 ng, and 50 ng (Lanes 1, 2 and 3). SUDV rGPΔmuc was detected using IBT's internal anti-SUDV GP rabbit polyclonal antibody at 1.0 μg/mL and anti-rabbit IgG-HRP conjugate, followed by substrate.



ELISA Data:

Plate was coated with SUDV rGPΔmuc starting at 800ng/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.

EBOV rGPΔmuc ng/well	OD 650 nm
800.000	2.590
400.000	2.664
200.000	2.665
100.000	2.511
50.000	2.491
25.000	2.216
12.500	1.752
6.250	1.278
3.125	1.728
1.563	0.469
0.781	0.308
0.391	0.179

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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