

Recombinant Sudan Virus Soluble Glycoprotein (SUDV sGP)

Catalog #: 0570-001

Description:

Mature, recombinant Sudan Virus Soluble Glycoprotein (SUDV sGP) containing a C-terminal His-tag, is supplied as purified protein. SUDV sGP is produced in mammalian cells 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:

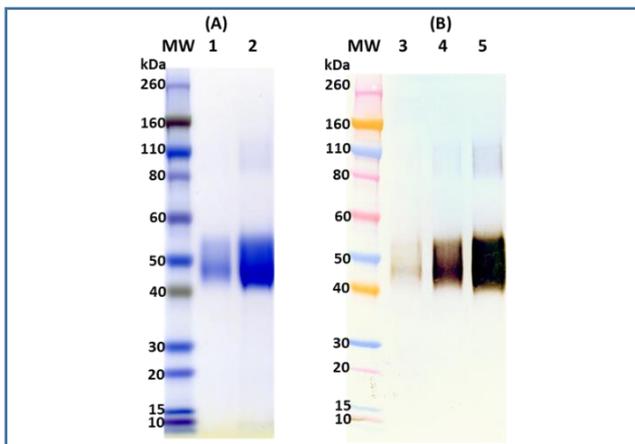
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg, 5 µg (Lanes 1 and 2 respectively) of SUDV sGP protein under denaturing and reducing conditions. MW denotes Novex Sharp® prestained protein markers. (B) Western blot detection of SUDV sGP at 50 ng, 200 ng, and 500 ng (Lanes 3-5 respectively). SUDV sGP was detected using IBT's Rabbit anti-SUDV sGP (Catalog # 0302-030) polyclonal antibody at 0.1 µg /mL and anti-Rabbit IgG (H+L)-HRP conjugate, followed by TMB substrate.



ELISA Data:

Plate was coated with SUDV sGP starting at 800 ng/well, serially diluted 2-fold in DPBS. Washed plate was detected using 1 µg/mL of Rabbit anti-SUDV sGP followed with anti-Rabbit IgG (H+L)-HRP conjugate and TMB substrate. OD650 is reported below.

SUDV sGP (ng/well)	OD 650 nm
800.000	3.489
400.000	3.364
200.000	3.029
100.000	1.754
50.000	0.753
25.000	0.462
12.500	0.271
6.250	0.189
3.125	0.096
1.563	0.074
0.781	0.077
0.391	0.064
0.000	0.061

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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