Recombinant Ebola Virus Soluble Glycoprotein (EBOV sGP)

Catalog #: 0565-001

Description:
Mature, recombinant Ebola Virus Soluble Glycoprotein (EBOV sGP) containing a C-terminal His-tag, is supplied as purified protein. EBOV 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 and B) SDS-PAGE demonstrating 5 µg and 1 µg (Lanes 1 and 2 respectively) of EBOV sGP protein (A) under reducing and denaturing conditions and (B) under non-reducing and denaturing conditions. (C) Western blot detection of EBOV sGP reduced and denatured at 200 ng, 100 ng, and 50 ng (Lanes 1-3). EBOV sGP was detected using IBT's rabbit anti-EBOV sGP polyclonal antibody at 0.1 µg/mL and goat anti-rabbit IgG-HRP conjugate, followed by TMB substrate.
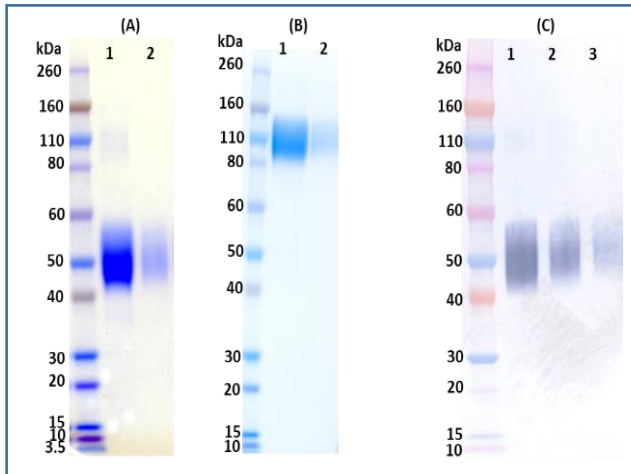
ELISA Data:
Plate was coated with EBOV sGP starting at 400 ng/well, serially diluted in DPBS. Washed plate was detected using one dilution of rabbit anti-EBOV sGP antibody followed with goat anti-rabbit IgG-HRP conjugate and TMB substrate. The OD650 reported shows the response of the rabbit anti-EBOV sGP antibody against the titrated EBOV sGP.

EBOV sGP (ng/well)	OD 650 nm
400.000	3.957
200.000	3.729
100.000	3.605
50.000	3.180
25.000	2.440
12.500	1.517
6.250	0.876
3.125	0.562
1.563	0.364
0.781	0.216
0.391	0.138
0.195	0.102

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.