

## Recombinant Ebola virus Glycoprotein minus the Transmembrane Region (EBOV rGPΔTM) SF9

Catalog #: 0501-016

### Description:

Mature, recombinant, His-tagged Ebola virus Glycoprotein minus the transmembrane domain (EBOV rGPΔTM) is supplied as purified protein. EBOV rGPΔTM 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:

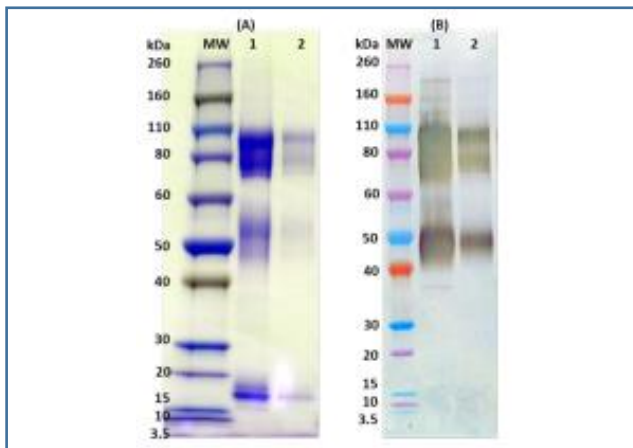
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 5 µg and 1 µg (Lanes 1 and 2 respectively) of EBOV rGPΔTM His-tag protein under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein marker. (B) Western blot detection of EBOV rGPΔTM at 500 ng and 100 ng (Lanes 1 and 2 respectively) using rabbit anti-EBOV GP polyclonal antibody (Catalog # 0301-015) at 0.5 µg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



### ELISA Data:

Plate was coated with EBOV 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 EBOV rGPΔTM coated plate positive control serum was 0.119 OD650.

EBOV rGPΔTM ng/well	OD 650 nm
800.000	3.639
400.000	3.563
200.000	3.534
100.000	3.600
50.000	3.501
25.000	3.568
12.500	3.371
6.250	3.401
3.125	3.172
1.563	2.721
0.781	2.244
0.391	1.499

### 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](mailto: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](http://www.ibtbioservices.com) for more details.

**Intended for research use only, not for human, therapeutic, or diagnostic applications.**

*The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, LLC.*

Copyright 2023. Integrated BioTherapeutics, LLC. All rights reserved.