

# Recombinant Ebolavirus Glycoprotein minus the Transmembrane Region (EBOV rGPΔTM)

Catalog #: 0501-001

### Description:

Mature, recombinant, HA-tagged ebolavirus glycoprotein minus the transmembrane domain (EBOV rGPΔTM) is supplied as purified protein. EBOV 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:

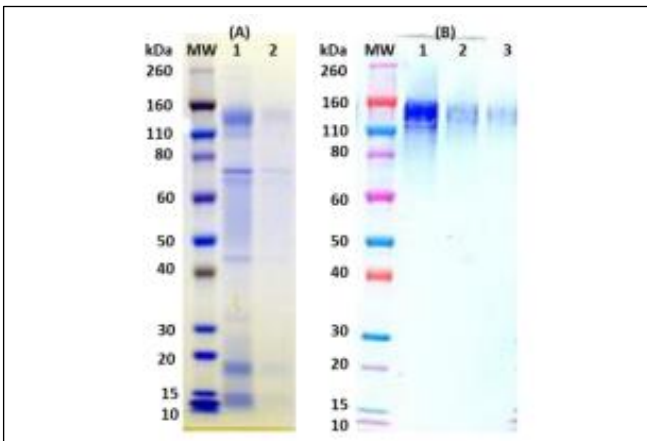
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 5 μg, 1 μg (Lanes 1 and 2 respectively) of EBOV rGPΔTM HA-Tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of EBOV rGPΔTM at 500 ng, 100 ng, and 50 ng (Lanes 1-3). EBOV rGPΔTM was detected using IBT's monoclonal antibody 4F3 (Catalog # 0201-020) at 0.5 μg/mL and anti-mouse IgG-HRP conjugate, followed by TMB 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.

EBOV GPΔTM ng/well	OD 650 nm
800.00	3.223
400.00	3.313
200.00	3.231
100.00	3.188
50.00	3.238
25.00	2.890
12.50	2.259
6.25	1.600
3.13	0.879
1.56	0.497
0.78	0.244
0.39	0.156

### 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.

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