

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

Catalog #: 0501-010

## Description:

Mature, recombinant, His-tagged Ebola virus Glycoprotein minus the transmembrane domain (EBOV rGPΔTM – Makona strain) is supplied as purified protein. EBOV rGPΔTM is produced in stably-transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC.

**Formulation & Storage:** Supplied in PBS (supplemented with glycerol, arginine and glutamic acid) **Storage: 2-3 weeks at -20°C, -80°C long term**

## Notes & Usage Guidelines:

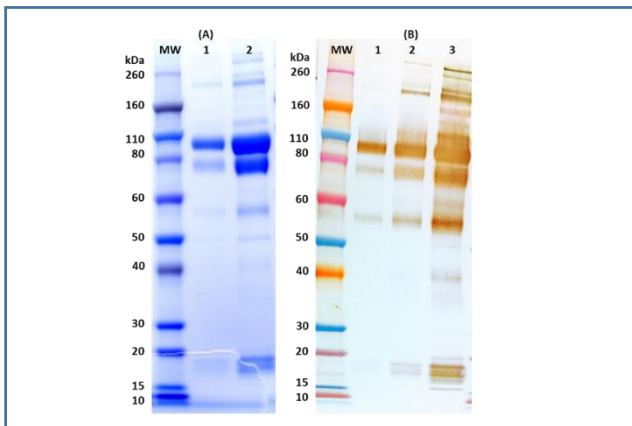
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE & Western Blot Detection:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1, 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 50 ng, 100 ng and 500 ng (lanes 1-3) using rabbit anti-EBOV GPΔmuc pAb (catalog# 0301-038) at 2.0 mg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



### ELISA:

Plate was coated with EBOV rGPΔTM starting at 800 ng/well, serially diluted 2-fold in DPBS. Washed plate was detected using one dilution of a positive control serum, followed with anti-IgG HRP conjugate and TMB substrate. OD<sub>650</sub> is reported. Background of EBOV rGPΔTM coated plate positive control serum was 0.063 OD<sub>650</sub>.

### ELISA Data

EBOV rGPΔTM ng/well	OD 650 nm
800.000	3.658
400.000	3.729
200.000	3.743
100.000	3.598
50.000	3.679
25.000	3.600
12.500	3.490
6.250	3.253
3.125	2.851
1.563	2.370
0.781	1.596
0.391	0.997

### 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:

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