

## Recombinant Ebola virus Glycoprotein minus Mucin Domain (EBOV rGPΔmuc - Mayinga)

Catalog #: 0511-025

### Description:

Recombinant, purified Ebola virus protein with HIS-Tag (EBOV rGPΔmuc - Mayinga strain) is produced in stably transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC.

**Formulation & Storage:** Supplied in PBS (pH7.4) and supplemented with glycerol, arginine and glutamic acid. **Store at** -20°C for 2-3 weeks, -80°C for long-term.

### Notes & Usage Guidelines:

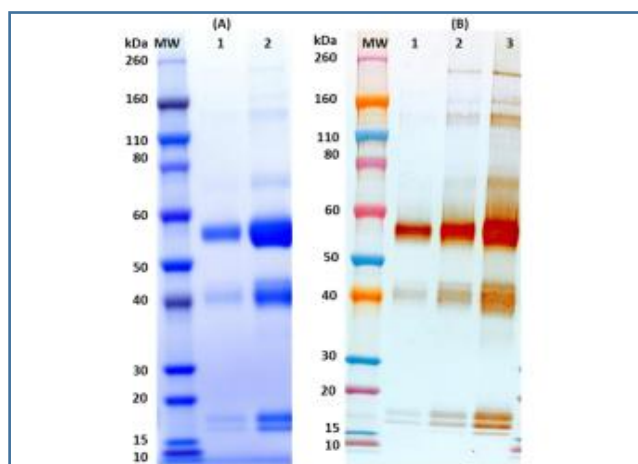
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE demonstrating 1 μg and 5 μg (Lanes 1 and 2 respectively) of EBOV rGPΔmuc protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein standard. (B) Western blot detection of EBOV rGPΔmuc at 50 ng, 100 ng and 500 ng (Lanes 1-3) under denaturing and reducing conditions. EBOV rGPΔmuc was detected using an anti-EBOV rGPΔmuc pAb (Catalog # 0301-038) at 2.0 μg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



### ELISA Data:

Plate was coated with EBOV rGPΔmuc starting at 800 ng/well, serially diluted in DPBS. The washed plate was detected using one dilution of a positive control serum, followed with anti-IgG-HRP conjugate and TMB microwell substrate. OD650 is reported below. Background of EBOV rGPΔmuc without positive control serum was 0.062 OD650.

EBOV rGPΔmuc ng/well	OD 650 nm
800.000	3.543
400.000	3.638
200.000	3.564
100.000	3.423
50.000	3.385
25.000	3.226
12.500	2.845
6.250	2.451
3.125	1.784
1.563	1.145
0.781	0.673
0.391	0.380

### 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)

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