

# Recombinant RAVN virus (RAVV) Glycoprotein minus Mucin Domain (rGPΔmuc)

Catalog #: 0513-015

## Description:

Recombinant, purified RAVV rGPΔmuc protein with Strep-Tag® is produced in stably transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC. Within the species Marburg, Marburgvirus contains two virus types, Marburg virus (MARV) and RAVV viruses. RAVV is a close relative of the much more commonly known MARV.

**Formulation & Storage:** Supplied in PBS (pH7.4) and supplemented with arginine, glutamic acid, and glycerol. **Store at -80°C.**

## Notes & Usage Guidelines:

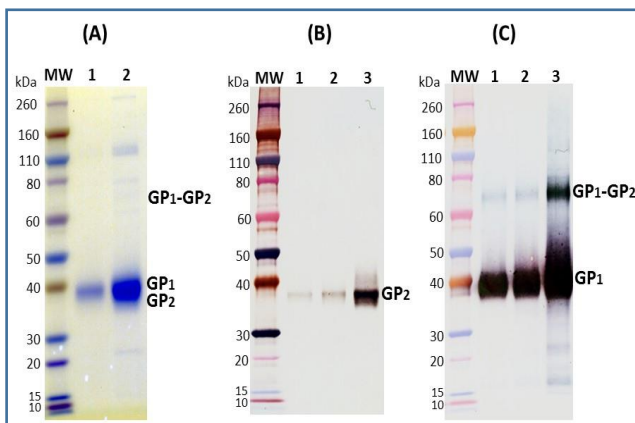
**ELISA:** Assay-dependent dilution

**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 RAVV rGPΔmuc protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein standard. (B and C) Western blot detection of RAVV rGPΔmuc at 50 ng, 100 ng and 500 ng (Lanes 1-3) under denaturing and reducing conditions. (B) RAVV rGPΔmuc was detected using IBT's rabbit anti-MARV GP2 polyclonal antibody (Catalog # 0303-007) at 0.5 μg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate. (C) RAVV rGPΔmuc was detected using IBT's anti-MARV GP1 monoclonal antibody at 0.5 μg/mL and anti-mouse IgG-HRP conjugate, followed by TMB membrane substrate.



### ELISA Data:

Plate was coated with RAVV 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 RAVV rGPΔmuc without positive control serum was 0.062 OD650.

EBOV rGPΔmuc ng/well	OD 650 nm
800.000	3.575
400.000	3.509
200.000	3.415
100.000	3.228
50.000	3.084
25.000	2.803
12.500	2.429
6.250	1.915
3.125	1.416
1.563	0.911
0.781	0.529
0.391	0.298

### 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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