

## Recombinant Angola Marburgvirus Glycoprotein minus Transmembrane and Mucin domain (AMARV rGPΔmuc)

Catalog #: 0516-015

### Description:

Recombinant, Angola Marburgvirus Glycoprotein minus the transmembrane and mucin-like domain (MARV-Angola rGPΔmuc) is supplied as purified protein. MARV-Angola rGPΔmuc 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:

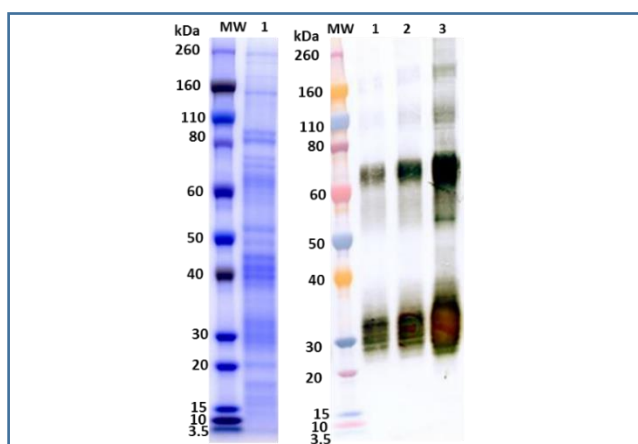
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 5 µg (Lane 1) of MARV-Angola rGPΔmuc His-tag protein under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein markers. (B) Western blot detection of MARV-Angola rGPΔmuc at 50 ng, 100 ng, and 500 ng (Lanes 1, 2 and 3 respectively). MARV-Angola rGPΔmuc was detected using IBT's anti-MARV GP rabbit polyclonal antibody (Catalog # 0303-007) at 0.5 µg/mL and anti-rabbit IgG-HRP conjugate, followed by substrate.



### ELISA Data:

Plate was coated with MARV-Angola rGPΔmuc starting at 800ng/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 MARV-Angola rGPΔmuc coated plate without positive control serum was 0.054 OD650.

MARV-Angola GPΔmuc ng/well	OD 650 nm
800.000	3.695
400.000	3.658
200.000	3.630
100.000	3.515
50.000	3.326
25.000	2.949
12.500	2.348
6.250	1.747
3.125	1.121
1.563	0.674
0.781	0.385
0.391	0.230

### 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.**