



**IBT BIOSERVICES**

4 Research Court, Suite 300  
Rockville, MD 20850  
877-411-2041  
Services@ibtbioservices.com

## Recombinant Angola marburgvirus Glycoprotein minus the Transmembrane Region (MARV-Angola rGPdTM)

Catalog #: 0506-015

Lot #: 1501004

**Description:** Mature, recombinant, His-tagged Angola marburgvirus Glycoprotein minus the transmembrane domain (MARV-Angola rGPdTM) is supplied as purified protein. MARV-Angola rGPdTM is produced in Sf9 insect cells using baculovirus for expression and is purified by FPLC.

**Storage:** 2-3 weeks at -20°C, -80°C long term

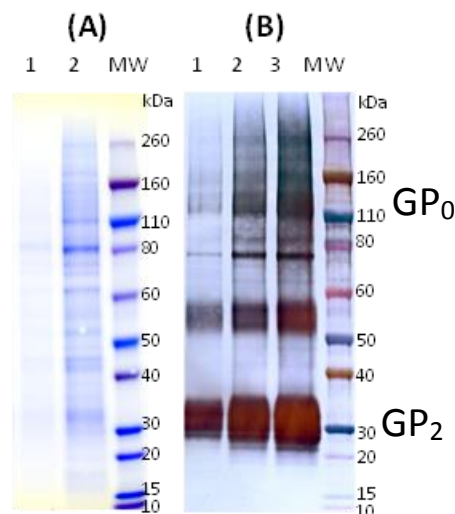
**Size:** 100 µg of protein supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of **0.55 mg/mL**. The theoretical molecular weight of the protein is ~60 kDa including the His-tag, without glycosylation. Because of the highly glycosylated nature of this protein, migration in an SDS-PAGE gel is slowed resulting in broad, diffuse bands representing differing glycosylation forms.

**Relevance:** Recombinant glycoprotein provides a means for antibody development, control protein for testing, and a tool to enhance research.

**Western Blot:** Quality control testing demonstrates strong detection of GP null and GP2 under reduced conditions.

**Related Products:** IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, [www.ibtbioservices.com](http://www.ibtbioservices.com) for more details.

### SDS-PAGE & Western Blot Detection



(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lane 1, 2 respectively) of MARV-Angola rGPdTM His-tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of MARV-Angola rGPdTM at 100 ng, 500 ng and 1000 ng (lanes 1-3). MARV-Angola rGPdTM was detected using IBT's polyclonal antibody (catalog # 0303-007) at 0.5 µg/mL and anti-rabbit IgG-HRP conjugate, followed by substrate.

### ELISA Data

MARV-Angola rGPdTM ng/well	OD 650 nm
800.00	3.771
400.00	3.737
200.00	3.752
100.00	3.671
50.00	3.625
25.00	3.464
12.50	3.240
6.25	2.631
3.13	2.032
1.56	1.361

Plate was coated with MARV-Angola rGPdTM 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. OD<sub>650</sub> is reported. Background of MARV-Angola rGPdTM coated plate without positive control serum was **0.088** OD<sub>650</sub>.

**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, Inc.  
Copyright 2015. Integrated BioTherapeutics, Inc. All rights reserved.*