

Recombinant Angola Marburgvirus Glycoprotein minus the Transmembrane Region (MARV-Angola rGPΔTM)

Catalog #: 0506-016

Description:

Mature, recombinant, His-tagged Angola marburgvirus Glycoprotein minus the transmembrane domain (MARV-Angola rGPΔTM) is supplied as purified protein. MARV-Angola rGPΔTM 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:

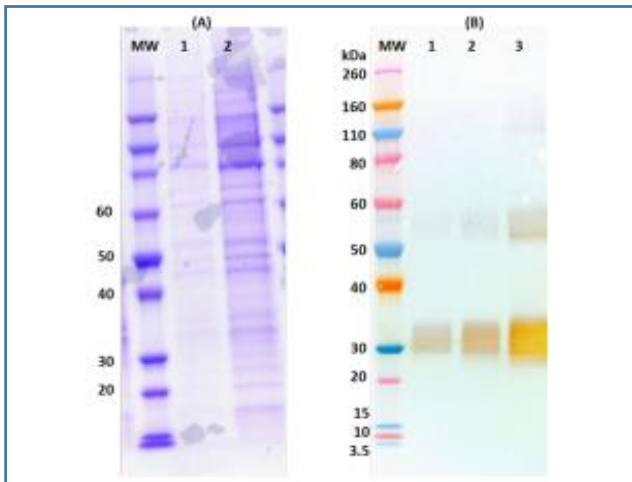
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lane 1 and 2 respectively) of MARV-Angola rGPΔTM His-tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of MARV-Angola rGPΔTM at 50 ng, 100 ng and 500 ng (Lanes 1-3). MARV-Angola rGPΔTM 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:

Plate was coated with MARV-Angola rGPΔTM 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. OD650 is reported below. Background of MARV-Angola rGPΔTM coated plate without positive control serum was 0.069 OD650.

| MARV-Angola rGPΔTM ng/well | OD 650 nm |
|----------------------------|-----------|
| 800.000 | 3.677 |
| 400.000 | 3.597 |
| 200.000 | 3.539 |
| 100.000 | 3.485 |
| 50.000 | 3.278 |
| 25.000 | 3.023 |
| 12.500 | 2.547 |
| 6.250 | 1.925 |
| 3.125 | 1.243 |
| 1.563 | 0.747 |
| 0.781 | 0.438 |
| 0.391 | 0.266 |

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

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 for more details.

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