

Recombinant Musoke marburgvirus Glycoprotein minus the Transmembrane Region (MMARV rGPΔTM) His-tag

Catalog #: 0503-001

Description:

Mature, recombinant, His-tagged Musoke marburgvirus Glycoprotein minus the transmembrane domain (MMARV rGPΔTM) is supplied as a purified protein. MMARV rGPΔTM is produced in mammalian cells and is purified by FPLC.

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

Notes & Usage Guidelines:

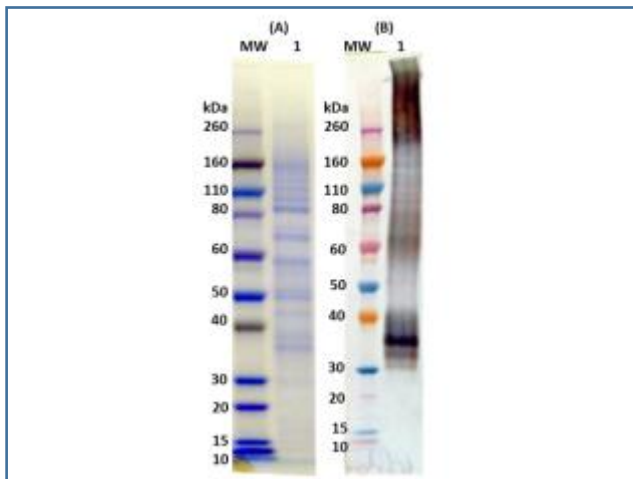
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 3 µg of MMARV rGPΔTM His-tagged protein (Lane 1) under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein markers. (B) Western blot detection of MMARV rGPΔTM His-tagged at 500 ng (Lane 1) using IBT's anti-MARV GP polyclonal antibody (Catalog # 0303-007) at 0.5 µg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



ELISA Data:

Plate was coated with MMARV rGPΔTM His-tagged 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 MMARV rGPΔTM coated plate without positive control serum was 0.055 OD650.

Coating amount MMARV GPΔTM (ng/well)	OD 650 nm
800.000	3.362
400.000	3.401
200.000	3.353
100.000	3.293
50.000	3.073
25.000	2.706
12.500	2.177
6.250	1.549
3.125	0.921
1.563	0.494
0.781	0.282
0.391	0.187

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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