

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

Catalog No: tcip3049



Available Sizes

Size: 100μg



Specifications

Application:

ELISA, WB

Research Area:

Virology

Concentration:

Supplied in (supplemented with glycerol, arginine and glutamic acid) at a concentration of 0.331 mg/mL.

Recommended Dilution:

SDS-PAGE: The theoretical molecular weight of the protein is ~71 kDa 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 Western Blot: Quality control testing demonstrates detection of MMARV rGPΔTM under reduced conditions down to 50 ng when using Taiclone's polyclonal antibody (cat# tcia147) at 0.5 g/mL. Quality control testing demonstrates strong detection of GP null and GP2 under reduced conditions

Storage Instruction:

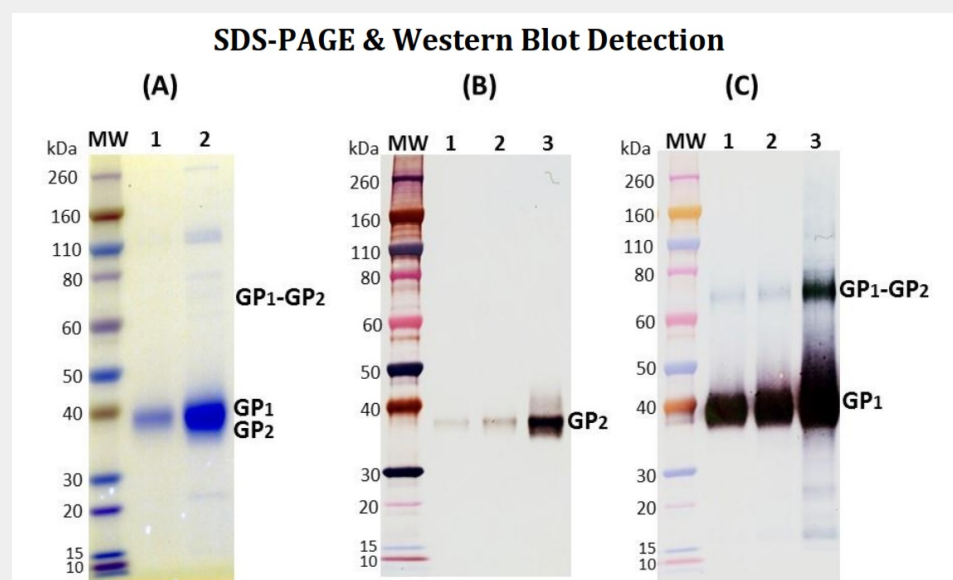
2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

Relevance:

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

Product Description

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



(Panel A) SDS-PAGE demonstrating 1 μ g and 5 μ g (lane 1, 2 respectively) of RAVV rGPΔmuc protein under denaturing and reducing conditions. MW denotes Novex Sharp pre-stained protein standard. (Panel 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 Taiclone's anti-MARV GP2 polyclonal antibody (cat# 0303-007) at 0.5 μ g/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 μ g/mL and anti-mouse IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data

RAVV 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

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. OD 650 is reported. Background of RAVV rGPΔmuc without positive control serum was 0.062 OD 650.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!