

Rabbit anti-MARV GP pAb

Catalog #: 0303-007

Lot #: 2309011

Description:

Affinity purified rabbit polyclonal antibody reactive to MARV GP. The antibody detects GP in virus-like particles (VLP) and recombinant GP without the transmembrane region (rGPΔTM) and recombinant GP without the transmembrane region and without the mucin-like domain (rGPΔmuc) in Western blot and ELISA.

Immunogen/ Target:

Peptide sequence to Marburg virus (MARV) glycoprotein (GP); Sequence is specific to the GP2 subunit.

Formulation & Storage: Supplied in PBS and 0.02% Sodium azide. **Store at** +4°C for 2-3 weeks, -80°C for long term.

Notes & Usage Guidelines:

Clonality/Isotype: Polyclonal; NA

Host: Rabbit

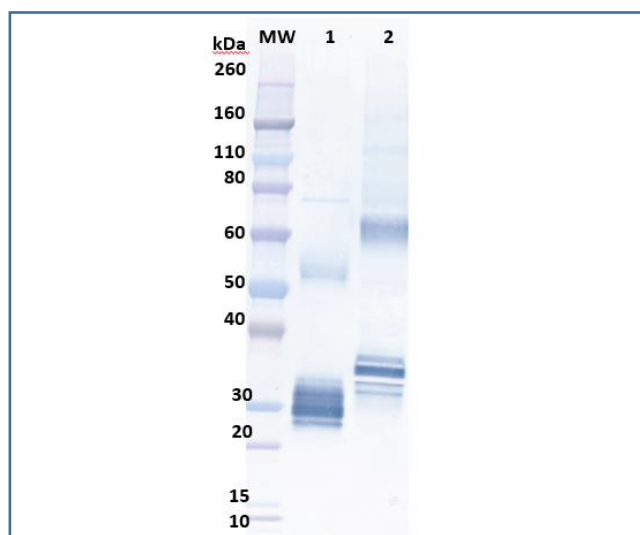
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blot was detected with anti-MARV GP polyclonal antibody at 50 ng/mL and visualized using an anti-rabbit IgG-HRP conjugate and TMB Membrane substrate. GP2 is visualized in the MARV-Angola rGPΔTM and VLP, as indicated. Lane 1: MARV-Angola rGPΔTM and Lane 2: MARV-Musoke VLP, MW denotes Novex® Sharp pre-stained protein standard. Note: GP is highly glycosylated and most often detects at a molecular weight higher than the theoretical size due to the altered mobility.



ELISA Data:

VLPs and rGPΔTM proteins were diluted to 10 µg/mL and 1 µg/mL, respectively in PBS for plate coating. Anti-MARV GP polyclonal antibody was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB substrate. OD650 is reported below.

pAb (µg/mL)	Coating Antigens: rGPΔTM @ 1 µg/mL	Coating Antigens: VLP @ 10 µg/mL
	AMARV	MMARV
10.000	3.640	2.779
3.162	3.454	2.181
1.000	3.155	1.329
0.316	2.337	0.609
0.100	1.206	0.263
0.032	0.502	0.129
0.010	0.203	0.081
0.003	0.095	0.065
0.001	0.068	0.069
0.000	0.057	0.063
0.000	0.049	0.059
0.000	0.055	0.057

Certificate of Testing for:

Lot#: **2309011**

Volume: 100 µg

Concentration: 0.978 mg/mL

Related Products:

IBT provides a wide array of antibodies, recombinant proteins, and other infectious disease reagents. Please see our website, 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.