



IBT BIOSERVICES

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anti-MARV GP chimeric monoclonal antibody (human IgG1)

Catalog #: 0203-026

Lot #: 2204008

Immunogen: Recombinant purified Ravn Virus (RAVV) glycoprotein and recombinant Vesicular Stomatitis Virus pseudotyped expressing Marburg Virus (MARV)-Musoke glycoprotein (GP)

Description: Protein A purified human monoclonal antibody reactive to MARV-Musoke GP, MARV-Angola GP and RAVV GP. The antibody is specific to the GP2 subunit.

Supplied: 100 µg is supplied in PBS at a concentration of 2.099 mg/mL. No preservative is added.

Recommended Dilutions:

ELISA: Assay-dependent dilution

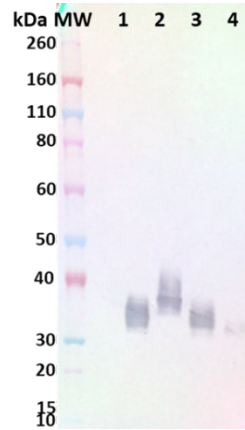
WB: Assay-dependent dilution.

Storage: 2-3 weeks +4°C, -80°C long term

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.

Western Blot Data:



Heat-denatured and reduced antigens were loaded at 200 ng/lane. Western Blot was detected using 1.0 µg/mL anti-MARV mAb and visualized using an anti-human IgG-HRP conjugate, followed by TMB Membrane substrate. GP2 subunit is detected for MARV-Angola GP (lane 1), RAVV GP (lane 2) and MARV-Musoke GP (lane 3) with slight cross-reactivity against MARV-Ci67 GP (lane 4).

ELISA Data:

mAb µg/mL	Coating Antigen @ 2 µg/mL		
	MARV-Angola GP	RAVV GP	MARV-Musoke GP
50.000	3.048	3.186	3.017
15.823	2.942	3.098	2.905
5.007	2.743	3.047	2.681
1.585	2.264	2.891	2.296
0.501	1.369	2.573	1.442
0.159	0.060	1.808	0.658
0.050	0.249	0.813	0.268
0.016	0.124	0.288	0.124
0.005	0.079	0.122	0.088
0.002	0.064	0.082	0.059
0.000	0.064	0.095	0.069
0.000	0.072	0.085	0.650
OD 650 nm			

MARV and RAVV glycoproteins were diluted to 2 µg/mL in DPBS for plate coating. Anti-MARV antibody was serially diluted semi-log from 50 µg/mL and incubated on the coated plates. Washed plates were detected with anti-human IgG-HRP conjugate and TMB Microwell substrate. OD650 is reported above.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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