



IBT BIOSERVICES

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Mouse anti-MARV mAb (2D8)

Catalog #: 0203-025

Lot #: 1806002

Immunogen: Purified, recombinant Marburg Virus (MARV) Angola strain glycoprotein lacking the transmembrane region and the mucin domain (rGPΔmuc).

Description: Protein A purified mouse monoclonal antibody reactive to glycoprotein (GP) in MARV virus-like particles (VLP) and MARV recombinant glycoprotein.

Supplied: 100 µg is supplied in PBS at a concentration of 2.712 mg/mL. No preservative is added.

Clonality: Monoclonal of the IgG_{2a} isotype

Cross Reactivity: Mouse anti-MARV mAb 2D8 reacts against MARV-Musoke (MMARV) glycoprotein, RAVN virus (RAVV) glycoprotein, and MARV-Angola (AMARV) glycoprotein. Some cross-reactivity is observed against Ebola Virus (EBOV) GP, expressed in virus-like particles.

Recommended Dilutions:

ELISA: Assay-dependent dilution

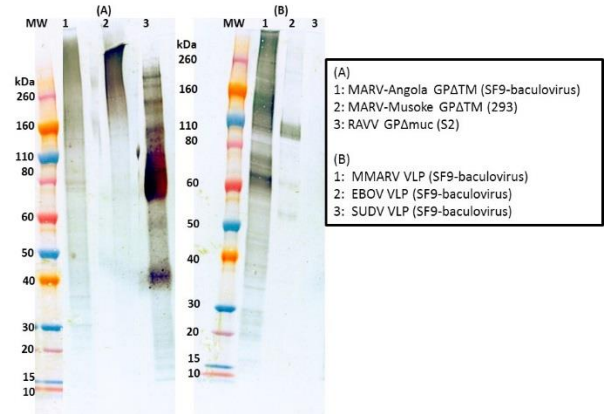
WB: Assay-dependent dilution. Internal QC shows good detection when using mAb 2D8 at 0.5 µg/mL.

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, reduced (A) AMARV rGPΔTM expressed in SF9 cells, MMARV rGPΔTM expressed in 293 mammalian cells, RAVV rGPΔmuc expressed in S2 cells (lanes 1-3) were loaded at 500 ng/lane and (B) MMARV, EBOV and SUDV VLP's expressed in SF9 cells (lanes 1-3) were loaded at 1 µg/lane. Western Blot was detected using 0.5 µg/mL anti-MARV GP mouse mAb 2D8 and visualized using an anti-mouse IgG-HRP conjugate, followed by TMB Membrane substrate. GP is visualized in all MARV rGPΔTMs (A; lanes 1-3) and in MMARV VLP (B; lane 1). Some cross reactivity against EBOV VLP was observed (B; lane 2).

ELISA Data:

mAb 2D8 µg/mL	VLP at 10 µg/mL or 1 µg/well	
	MMARV	EBOV
10.0000	3.194	0.228
3.1623	3.093	0.155
1.0000	2.753	0.113
0.3162	2.372	0.100
0.1000	1.707	0.076
0.0316	0.930	0.081
0.0100	0.451	0.097
0.0032	0.208	0.090
0.0010	0.159	0.102
0.0003	0.130	0.105
0.0001	0.180	0.215
	OD 650 nm	

VLPs were diluted to 10 µg/mL in DPBS for plate coating. Anti-MARV GP mouse mAb 2D8 was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-mouse 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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