



IBT BIOSERVICES

4 Research Court, Suite 300
 Rockville, MD 20850
 877-411-2041
 Services@ibtbioservices.com

Mouse anti-MMARV GPΔTM mAb (5C1)

Catalog #: 0203-023

Lot #: 1802004

Immunogen: Purified, recombinant Lake Victoria Marburgvirus Musoke strain (MMARV) glycoprotein lacking the transmembrane region (rGPΔTM).

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

Supplied: 100 µg is supplied in PBS at a concentration of 0.657 mg/mL. No preservative is added.

Clonality: Monoclonal of the IgG₁ isotype

Cross reactivity: Mouse anti-MMARV GPΔTM mAb 5C1 reacts specifically against MARV-Musoke glycoprotein and does not react against Ravn virus glycoprotein or the Angola-MARV glycoprotein.

Recommended Dilutions:

ELISA: Assay-dependent dilution

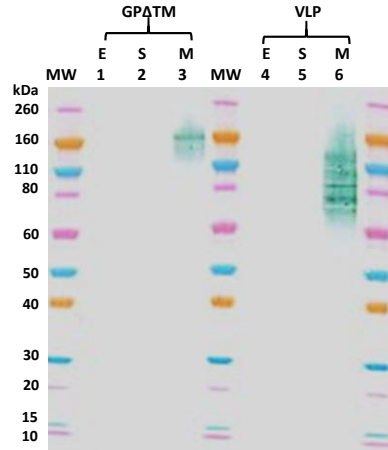
WB: Assay-dependent dilution. Internal QC shows good detection when using mAb 5C1 at 0.5 µg/mL.

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 rGPΔTM (EBOV and SUDV rGPΔTM expressed in SF9 cells and MMARV rGPΔTM expressed in 293 mammalian cells) and VLP's (expressed in SF9 cells) were loaded at 200 ng/lane and at 2 µg/lane, respectively. Western Blot was detected using 0.5 µg/mL anti-MMARV GP mouse mAb 5C1 and visualized using an anti-mouse IgG-HRP conjugate, followed by TMB Membrane substrate. GP is visualized in MMARV rGPΔTM (lane 3) and in MMARV VLP (lane 6). No cross reactivity against EBOV or SUDV GP or VLP was observed.

ELISA Data:

mAb 5C1 µg/mL	VLP at 10 µg/mL or 1 µg/well		
	MMARV	EBOV	SUDV
10.0000	3.429	0.238	0.204
3.1623	3.518	0.108	0.100
1.0000	3.364	0.101	0.095
0.3162	3.354	0.115	0.108
0.1000	3.293	0.120	0.132
0.0316	2.568	0.132	0.116
0.0100	1.485	0.140	0.121
0.0032	0.646	0.122	0.139
0.0010	0.299	0.133	0.127
0.0003	0.253	0.137	0.124
0.0001	0.158	0.149	0.216
OD 650 nm			

VLPs were diluted to 10 µg/mL in DPBS for plate coating. Anti-MMARV GP mouse mAb 5C1 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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