

## Mouse anti-MMARV GPΔTM mAb (5C1)

Catalog #: 0203-023

### Description:

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

### Immunogen/ Target:

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

**Formulation & Storage:** Supplied in PBS in frozen format with no preservatives added. **Store at +4°C** for 2-3 weeks; **-80°C** for long-term

### Notes & Usage Guidelines:

**Clonality/Isotype:** Monoclonal; IgG1

**Host:** Mouse

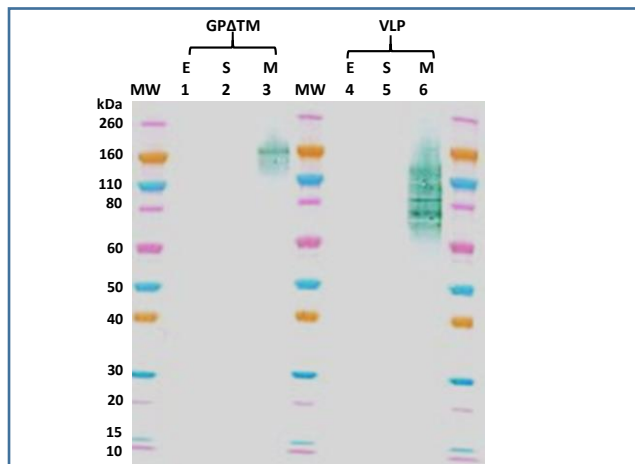
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### 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:

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 below.

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

### Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at [products@ibtbioservices.com](mailto:products@ibtbioservices.com).

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