

Mouse anti-MMARV VP40 mAb (6B1)

Catalog #: 0203-016

Description:

Protein G purified mouse monoclonal antibody reactive to MMARV VP40. The antibody detects VP40 in virus-like particles (VLP) and recombinant protein.

Immunogen/ Target:

Purified recombinant Musoke Marburgvirus VP40 (MMARV VP40) produced in *E.coli*.

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; IgG2

Host: Mouse

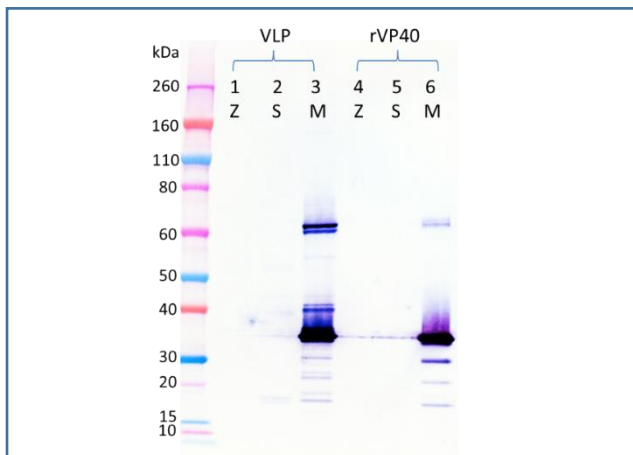
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

Western Blot Data:

Western blots were detected under reduced conditions with anti-MMARV VP40 mAb 6B1 at 0.5 µg/mL and visualized using an anti-mouse IgG-HRP conjugate and TMB membrane substrate. VP40 is visualized in baculovirus-expressed MMARV VLP (lane 3) but not in the EBOV or SUDV VLP (lanes 1, 2). MMARV rVP40 is also visualized (lane 6). No cross-reactivity with EBOV or SUDV rVP40 is observed (lanes 4, 5).



ELISA Data:

VLPs were diluted to 10 µg/mL in PBS for plate coating. Anti-MMARV VP40 antibody 6B1 was serially diluted semi-log dilutions from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-mouse IgG-HRP conjugate and TMB substrate. OD₆₅₀ is reported below.

6B1 µg/mL	VLP (10 µg/mL)		
	EBOV	SUDV	MMARV
10.0000	0.100	0.131	3.483
3.1626	0.080	0.082	3.517
1.0002	0.059	0.068	3.548
0.3163	0.056	0.064	3.448
0.1000	0.046	0.048	3.052
0.0316	0.044	0.054	2.004
0.0100	0.043	0.046	0.978
0.0032	0.049	0.068	0.440
0.0010	0.048	0.050	0.169
0.0003	0.051	0.046	0.088
0.0001	0.050	0.048	0.063
0.0000	0.049	0.074	0.113

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.

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