



**IBT BIOSERVICES**

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

## Mouse anti-MMARV VP40 mAb (1D1)

**Catalog #:** 0203-012

**Lot #:** 1612001

**Immunogen:** Purified recombinant Musoke Marburg virus VP40 (MMARV VP40) produced in *E. coli*.

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

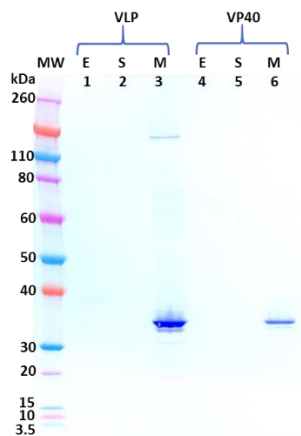
**Supplied:** 100 µg is supplied in DPBS buffer at a concentration of 2.239 mg/mL. No preservative is added.

**Clonality:** Monoclonal of the IgG1 isotype

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

**Recommended Dilutions:** Assay-dependent dilution

### Western Blot Data:



Western blots were detected under reduced conditions with anti-MMARV VP40 mAb 1D1 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 VP40 recombinant protein is also visualized (lane 6). No cross-reactivity with EBOV or SUDV VP40 recombinant protein is observed (lanes 4, 5).

### ELISA Data:

1D1 µg/mL	VLP @ 10 µg/mL		
	EBOV	SUDV	MMARV
10.0000	0.237	0.254	2.836
3.1626	0.221	0.230	2.689
1.0002	0.204	0.197	2.438
0.3163	0.151	0.159	2.136
0.1000	0.113	0.124	1.542
0.0316	0.090	0.094	0.754
0.0100	0.095	0.088	0.326
0.0032	0.078	0.083	0.156
0.0010	0.074	0.086	0.137
0.0003	0.084	0.097	0.094
0.0001	0.079	0.080	0.100
0.0000	0.074	0.082	0.089
<b>OD 650 nm</b>			

1D1 µg/mL	VP40 recombinant proteins @ 3 µg/mL		
	EBOV	SUDV	MMARV
10.0000	0.062	0.141	4.000
3.1626	0.066	0.128	4.000
1.0002	0.063	0.110	3.985
0.3163	0.091	0.102	3.855
0.1000	0.063	0.085	3.492
0.0316	0.068	0.079	2.854
0.0100	0.070	0.068	1.976
0.0032	0.073	0.070	1.014
0.0010	0.089	0.097	0.443
0.0003	0.102	0.086	0.203
0.0001	0.068	0.073	0.108
0.0000	0.068	0.072	0.101
<b>OD 650 nm</b>			

VLP's and VP40 recombinant proteins were diluted to 10 µg/mL and 3 µg/mL, respectively, in PBS for plate coating. Anti-MARV VP40 antibody 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. Strong signals are shown against MARV VP40 recombinant protein and MARV VLP. Increased background signals against EBOV and SUDV VLP's are present. No cross-reactivity with EBOV or SUDV VP40 recombinant protein is observed.

### 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](http://www.ibtbioservices.com) for more details.

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

The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, Inc.

Copyright 2017. Integrated BioTherapeutics, Inc. All rights reserved.