



# IBT BIOSERVICES

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## Rabbit anti-Marburgvirus (MARV) VLP pAb

**Catalog #:** 04-0005

**Lot #:** 1805009

**Immunogen:** MARV (Musoke strain) Virus-like Particles (VLPs) containing glycoprotein (GP) Nucleoprotein (NP), and viral protein (VP40).

**Description:** Protein A purified rabbit polyclonal antibody reactive to MARV VLP raised in New Zealand white rabbits.

**Supplied:** 100 µg\* of antibody is supplied in PBS + 0.02% sodium azide, at a concentration of **0.497 mg/mL**.

**Clonality:** Polyclonal

**Relevance:** the filovirus Marburgvirus is a Category A (NIAID) and HHS select agent.

### Recommended Dilutions:

**ELISA:** Assay-dependent dilution.

**WB:** Assay-dependent dilution

**Storage:** 2-3 weeks +4°C, -20°C long term

**Cross Reactivity:** Historical data showed some cross-reactivity with Ebola Virus (EBOV) and Sudan Virus (SUDV) VLP's, most likely due to antibodies against Baculovirus proteins since the VLP's were expressed in SF9-Baculovirus system.

### ELISA Data:

Pab (µg/mL)	MMARV VLP 1 µg/well	MMARV rGPΔTM 100 ng/well	MMARV rVP40 300 ng/well
10.000	3.899	3.576	3.917
3.162	3.898	3.139	3.854
1.000	3.750	2.289	3.787
0.316	3.675	1.226	3.530
0.100	3.216	0.513	2.996
0.032	2.256	0.223	2.054
0.010	1.113	0.111	1.001
0.003	0.464	0.078	0.418
0.001	0.222	0.129	0.182
0.000	0.123	0.073	0.108
	<b>OD650</b>		

MMARV VLP, recombinant glycoprotein without the transmembrane domain (rGPΔTM) and recombinant VP40 matrix protein (rVP40) were diluted in PBS for plate coating. Anti-MARV VLP antibody was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB microwell substrate. OD650 is reported above.

\*This lot 1805009 of polyclonal antibody exhibits 5 to 10 times higher reactivity against target antigens compared to the previous lot MMIG201001IBT. Reduced concentrations of this lot of antibody will be required in user's assay compared to the previous lot MMIG201001IBT.

**Related Products:** IBT provides a wide array of anti-filovirus specific antibodies 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.**

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