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Rabbit anti-MARV NP pAb

Catalog #: 0303-012

Lot #: 1401008

Immunogen: Peptide sequence specific to Marburg virus (MARV) Nucleocapsid Protein (NP).

Description: Affinity purified rabbit polyclonal antibody reactive to MARV NP. The antibody detects NP in virus-like particles (VLP) in Western blot and ELISA.

Supplied: 100 µg is supplied in PBS at a concentration of 0.29 mg/mL. 0.02% Sodium azide has been added.

Raised in: Rabbits

Purification: Antibody is affinity purified using immobilized immunogen.

Clonality: Polyclonal

Relevance: The antibody can be used for detection of MARV NP.

Recommended Dilutions:

ELISA: Assay-dependent dilution

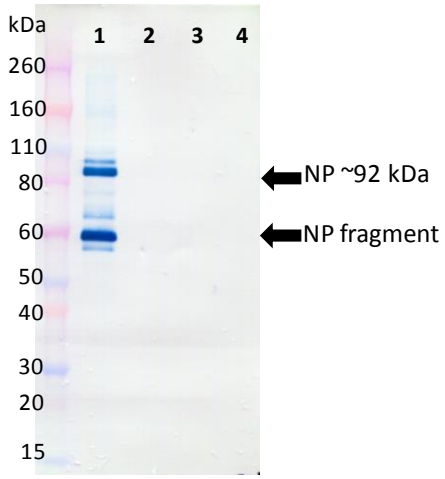
WB: Assay-dependent dilution. Internal QC demonstrates strong detection of MARV NP in 500 ng of VLP at a use dilution of 100 ng/mL of the antibody.

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

Cross Reactivity: No cross-reactivity to NP in Zaire Ebola virus (ZEBOV) VLP or Sudan Ebola virus (SEBOV) VLP.

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:



Western blot was detected under reduced conditions with anti-MARV NP Pab at 100 ng/mL and visualized using an anti-rabbit IgG-HRP conjugate and TMB membrane substrate. NP is visualized in baculovirus-expressed MARV VLP (lane 1) but not in the ZEBOV or SEBOV VLPs (lanes 2, 3); nor in the MARV VLP without NP expression (lane 4).

ELISA Data:

	OD 650 nm			
Antibody (µg/mL)	**ZEBOV VLP @ 10 µg/mL**	**SEBOV VLP @ 10 µg/mL**	**MMARV VLP @ 10 µg/mL**	**MMARV VLP without NP @ 10 µg/mL**
20.0000	0.152	0.194	2.931	0.179
6.3246	0.094	0.107	2.762	0.096
2.0000	0.079	0.098	2.457	0.086
0.6325	0.068	0.065	1.697	0.088
0.2000	0.073	0.069	0.843	0.080
0.0632	0.071	0.065	0.354	0.078
0.0200	0.073	0.072	0.175	0.082
0.0063	0.098	0.078	0.112	0.089
0.0020	0.078	0.077	0.080	0.094
0.0006	0.087	0.083	0.091	0.085
0.0002	0.077	0.075	0.086	0.097
0.0000	0.085	0.086	0.076	0.087

VLPs were solubilized in a final concentration of 1% Triton X-100 and diluted to 10 µg/mL in PBS (0.01% Triton) for plate coating. Anti-MARV NP antibody was serially diluted semi-log from 20 µg/mL and incubated on the coated plates. Washed plates were detected with anti-rabbit IgG-HRP conjugate and TMB substrate. OD_{650} is reported above.