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Rabbit anti-EBOV NP pAb

Catalog #: 0301-012

Lot #: 1401009

Immunogen: Peptide sequence specific to Ebola virus (EBOV) Nucleocapsid Protein (NP).

Description: Affinity purified rabbit polyclonal antibody reactive to EBOV 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 0.37 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 EBOV NP.

Recommended Dilutions:

ELISA: Assay-dependent dilution

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

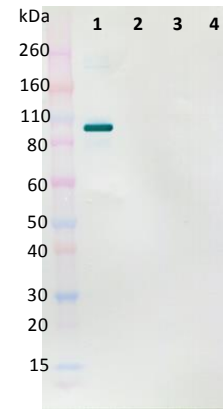
Storage: 2-3 weeks +4°C, -20°C long term

Cross Reactivity: No cross-reactivity to NP in Sudan virus (SUDV) VLP or Marburg virus (MARV) 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-EBOV 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 EBOV VLP (lane 1) but not in the SUDV or MARV VLPs (lanes 2, 3); nor in the EBOV VLP without NP expression (lane 4).

ELISA Data:

Antibody (µg/mL)	OD 650 nm			
	EBOV VLP @ 10 µg/mL	SUDV VLP @ 10 µg/mL	MARV VLP @ 10 µg/mL	EBOV VLP without NP @ 10 µg/mL
20.0000	3.4220	0.2080	0.1410	0.2770
6.3246	3.5800	0.1060	0.0890	0.1290
2.0000	3.3130	0.0730	0.0770	0.1300
0.6325	2.7860	0.0730	0.0810	0.0800
0.2000	1.7590	0.0690	0.0870	0.0720
0.0632	0.8530	0.0690	0.0690	0.0880
0.0200	0.5400	0.0700	0.0690	0.0810
0.0063	0.1670	0.0700	0.0740	0.0830
0.0020	0.1470	0.0910	0.0780	0.1330
0.0006	0.1160	0.0830	0.0970	0.0890
0.0002	0.0640	0.0870	0.0400	0.0550
0.0000	0.0780	0.0840	0.0760	0.0930

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-EBOV 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. OD₆₅₀ is reported above.

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

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