



IBT BIOSERVICES

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Rabbit anti-SEBOV NP pAb

Catalog #: 0302-012

Lot #: 1401007

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

Description: Affinity purified rabbit polyclonal antibody reactive to SEBOV 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 1.0 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 SEBOV NP.

Recommended Dilutions:

ELISA: Assay-dependent dilution

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

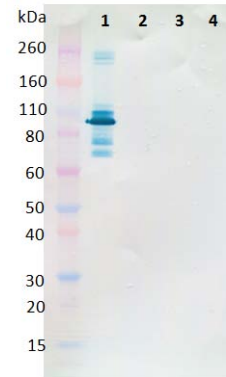
Storage: 2-3 weeks +4°C, -20°C long term

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

ELISA Data:

| Antibody (µg/mL) | OD 650 nm | | | |
|------------------|----------------------|----------------------|----------------------|---------------------------------|
| | ZEBOV VLP @ 10 µg/mL | SEBOV VLP @ 10 µg/mL | MMARV VLP @ 10 µg/mL | SEBOV VLP without NP @ 10 µg/mL |
| 20.0000 | 0.1440 | 3.6050 | 0.1610 | 0.2400 |
| 6.3246 | 0.1030 | 3.8840 | 0.1020 | 0.1350 |
| 2.0000 | 0.0830 | 3.9050 | 0.0950 | 0.0840 |
| 0.6325 | 0.0740 | 3.9820 | 0.0710 | 0.0740 |
| 0.2000 | 0.0750 | 3.6930 | 0.0720 | 0.0700 |
| 0.0632 | 0.0720 | 2.8370 | 0.0640 | 0.0720 |
| 0.0200 | 0.0790 | 1.4920 | 0.0690 | 0.0840 |
| 0.0063 | 0.0750 | 0.6340 | 0.0820 | 0.0930 |
| 0.0020 | 0.0820 | 0.2780 | 0.1460 | 0.1420 |
| 0.0006 | 0.1050 | 0.1520 | 0.0810 | 0.0870 |
| 0.0002 | 0.0840 | 0.0820 | 0.0830 | 0.0730 |
| 0.0000 | 0.0730 | 0.0990 | 0.0850 | 0.0810 |

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-SEBOV 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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