



IBT BIOSERVICES

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Rabbit anti-Reston GP pAb

Catalog #: 0305-001

Lot #: 1306005

Immunogen: Peptide sequence to Reston Ebola virus (RESTV) glycoprotein (GP).

Description: Affinity purified rabbit polyclonal antibody reactive to RESTV GP. The antibody detects recombinant RESTV GP without the transmembrane region (RESTV rGPdTM) in Western blot analysis.

Supplied: 100 µg of antibody is supplied in PBS at a concentration of 1.92 mg/mL.

Raised in: Rabbits

Purification: Antibody is affinity purified using immobilized immunogen.

Clonality: Polyclonal

Relevance: The antibody can be used for detection of RESTV GP.

Recommended Dilutions:

ELISA: Assay-dependent dilution.

WB: Assay-dependent dilution; internal QC demonstrates detection of recombinant RESTV GPdTM with a use dilution of 50 ng per mL of antibody in diluent using an alkaline phosphatase antibody conjugate and chromogenic substrate for visualization.

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

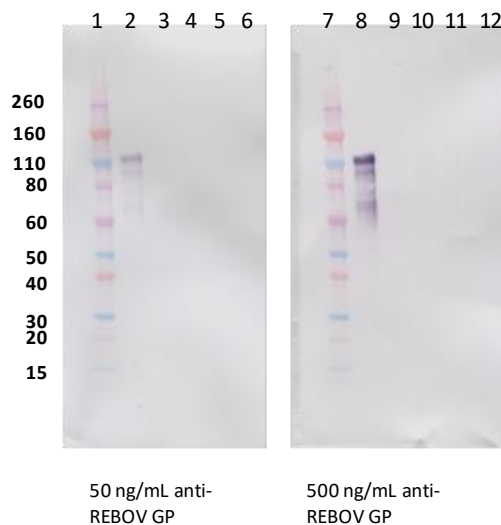
Cross Reactivity: No cross reactivity to Sudan ebolavirus (SUDV) GP, Zaire ebolavirus (EBOV) GP, Bundibugyo (BDBV) GP or Marburg (MARV) GP, was observed in Western blot analysis.

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

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Western Blot Data:



Lane 1: 15 µL Novex MW markers
Lane 2: 15 µL RESTV rGPdTM supernatant
Lane 3: 0.2 µg EBOV rGPdTM
Lane 4: 0.2 µg SUDV rGPdTM
Lane 5: 0.2 µg MARV rGPdTM
Lane 6: 0.2 µg BDBV rGPdTM
Lane 7: 15 µL Novex MW markers
Lane 8: 15 µL RESTV rGPdTM supernatant
Lane 9: 0.2 µg EBOV rGPdTM
Lane 10: 0.2 µg SUDV rGPdTM
Lane 11: 0.2 µg MARV rGPdTM
Lane 12: 0.2 µg BDBV rGPdTM

Western blots were detected with anti-RESTV GP at 50 ng/mL (left panel) and 500 ng/mL (right panel) and visualized using an anti-rabbit AP conjugate and chromogenic substrate. RESTV GP is visualized as a broad band representing differing glycosylation patterns. Cross reactivity is not detected in the EBOV, SUDV, MARV or BDBV recombinant GP proteins (lanes 3, 4, 5, 6, 9, 10, 11, 12).