



# IBT BIOSERVICES

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## Rabbit anti-EBOV VP24

**Catalog #:** 0301-047

**Lot #:** 1705002

**Immunogen:** Peptide sequence specific to Ebola Virus (EBOV) VP24 matrix protein.

**Description:** Affinity purified rabbit polyclonal antibody reactive to EBOV VP24. The antibody detects VP24 in recombinant VP24 (rVP24) in Western Blot and ELISA.

**Supplied:** 100 µg is supplied in PBS at a concentration of 1.231 mg/mL.

**Raised in:** Rabbits

**Purification:** Antibody is affinity purified using immobilized immunogen.

**Clonality:** Polyclonal

**Relevance:** The antibody can be used for detection of a distinct epitope near the c-terminus of EBOV VP24 matrix protein.

**Recommended Dilutions:**

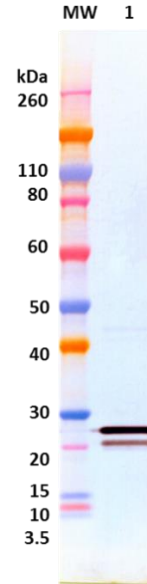
**ELISA:** Assay-dependent dilution.

**WB:** Assay-dependent dilution.

**Storage:** 2-3 weeks +4°C, -20°C long term. Avoid multiple freeze thaws.

**Cross Reactivity:** No cross-reactivity was observed against Sudan Virus (SUDV) or Marburg-Musoke Virus (MARV).

### Western Blot Data:



Anti-EBOV VP24 antibody at 100 ng/mL was able to detect 100 ng of EBOV rVP24 (lane 1) by Western Blot Analysis. Western Blots were developed using an anti-rabbit IgG-HRP conjugate and TMB Membrane substrate.

### ELISA Data:

Anti-EBOV VP24 Antibody (µg/mL)	EBOV VP24 @ 3 µg/mL
10.0000	3.928
3.1623	3.974
1.0000	3.758
0.3162	3.582
0.1000	2.959
0.0316	1.861
0.0100	0.809
0.0032	0.329
0.0010	0.151
0.0003	0.085
0.0001	0.082
0.0000	0.082
	OD 650nm

rVP24 protein was diluted to 3 µg/mL in PBS for plate coating. Anti-EBOV VP40 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 substrate. OD650 is reported above.

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

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