

## Recombinant Ebola virus VP24 matrix protein (EBOV VP24)

Catalog #: 0501-030

### Description:

Recombinant, HIS-tagged, purified Ebola virus (EBOV) matrix protein (VP24) is expressed in *E. coli* and the recombinant protein purified using FPLC.

**Formulation & Storage:** Supplied in Tris buffered saline. Store at -80°C. It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles.

### Notes & Usage Guidelines:

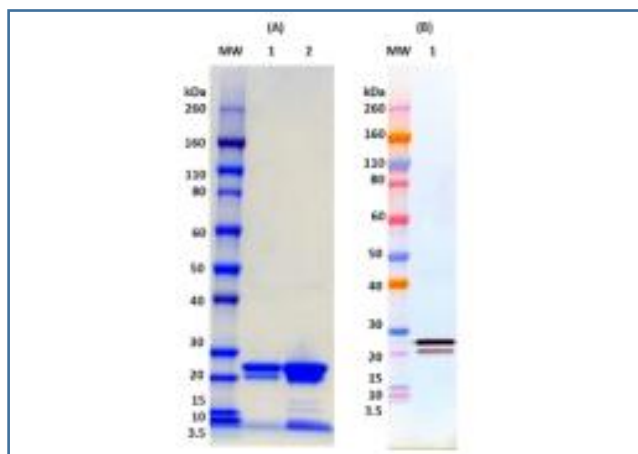
**ELISA:** Assay-dependent dilution

**WB:** Assay-dependent dilution

## Applications

### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (Lanes 1-2) of EBOV VP24 protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein markers. (B) Anti-EBOV VP24 antibody (Catalog # 0301-047) at 100 ng/mL detected 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. MW denotes Novex® Sharp pre-stained protein markers.



### ELISA Data:

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 below.

Anti-EBOV VP24 Antibody (µg/mL)	OD 650 nm 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

### Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at [services@ibtbioservices.com](mailto:services@ibtbioservices.com)

### 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](http://www.ibtbioservices.com) for more details.