

Recombinant Ebola virus VP40 matrix Protein (EBOV VP40)

Catalog #: 0564-001

Description:

Recombinant, tag-free, purified Ebola virus (EBOV) matrix protein (VP40) is expressed in *E. coli* and the recombinant protein purified using FPLC.

Formulation & Storage: Supplied in HEPES buffer (pH 7.5) containing sodium chloride, 5% glycerol and 0.01% Triton-X. **Store at -80°C.**

Notes & Usage Guidelines:

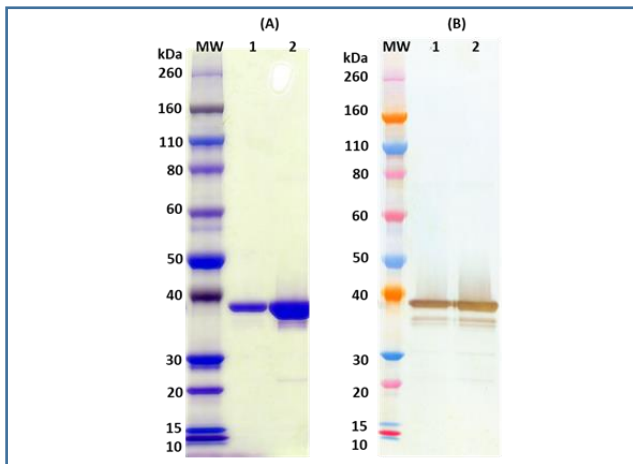
ELISA: Assay-dependent dilution

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 VP40 protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein markers. (B) Western blot detection of EBOV VP40 at 50 ng and 100 ng (Lanes 1-2). EBOV VP40 was detected using IBT's polyclonal antibody at 50 ng/mL (Catalog # 0301-010) and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



ELISA Data:

Plate was coated with EBOV VP40 starting at 800 ng/well, serially diluted in DPBS. Washed plate was detected using one dilution of a positive control serum, followed with anti-IgG HRP conjugate and TMB substrate. OD650 is reported below.

EBOV VP40 ng/well	OD 650 nm
800.00	3.733
400.00	3.623
200.00	3.628
100.00	3.568
50.00	3.433
25.00	2.904
12.50	2.021
6.25	1.085
3.13	0.548
1.56	0.294
0.78	0.199
0.39	0.132

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

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.

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

The buyer cannot sell or otherwise transfer this product for Commercial Purposes without written approval of Integrated BioTherapeutics, LLC.

Copyright 2023. Integrated BioTherapeutics, LLC. All rights reserved.