

Recombinant Lassa Virus Z Protein

Catalog #: 0508-001

Description:

Lassa virus Z protein is expressed in *E. coli* as a recombinant protein. The theoretical molecular weight of the protein is approximately 11 kDa.

Formulation & Storage: Supplied in PBS and supplemented with 5% glycerol and 0.01% Triton X-100. **Store at -80°C.**

Notes & Usage Guidelines:

ELISA: Assay-dependent dilution

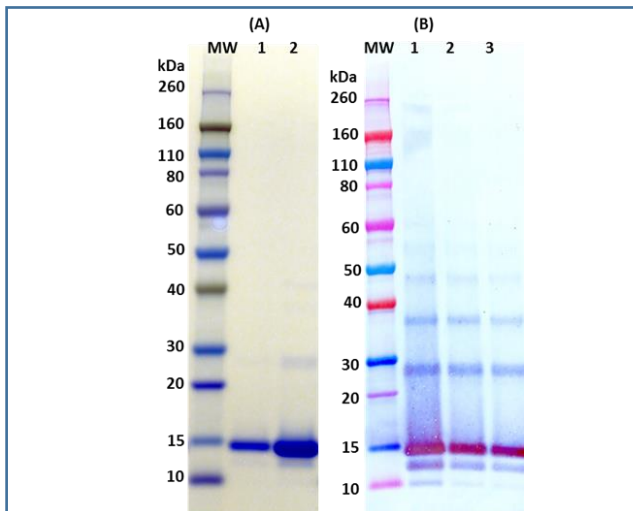
WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE of LASV Z: 1 µg (Lane 1) and 5 µg (Lane 2).

(B) Western blot detection of LASV Z at 100 ng, 50 ng and 25 ng (Lanes 1-3), using IBT's rabbit anti-LASV Z polyclonal antibody (Catalog # 0307-002) at 0.1 µg/mL and an anti-rabbit IgG-HRP conjugate followed by substrate.



ELISA Data:

Plate was coated with LASV Z starting at 25 ng/well, serially diluted two-fold in DPBS. Washed plate was detected using 10 µg/mL of Rabbit anti-LASV Z pAb followed with anti-rabbit IgG HRP conjugate and TMB substrate. OD650 is reported below.

Lassa Z (ng/well)	OD 650 nm
25.000	3.964
12.500	3.747
6.250	3.748
3.125	3.685
1.563	3.587
0.781	3.275
0.391	2.610
0.195	1.722
0.098	0.952
0.049	0.494
0.024	0.281
0.012	0.178

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.