

Recombinant Ebola virus (EBOV) Glycoprotein minus Mucin Domain (rGPΔmuc)

Catalog #: 0511-015

Description:

Recombinant, purified Ebola virus (EBOV) rGPΔmuc protein with HIS-Tag is produced in Sf9 insect cells using baculovirus for expression and is purified by FPLC.

Formulation & Storage: Supplied in PBS (pH7.4) and supplemented with glycerol, arginine and glutamic acid. **Store at -80°C.**

Notes & Usage Guidelines:

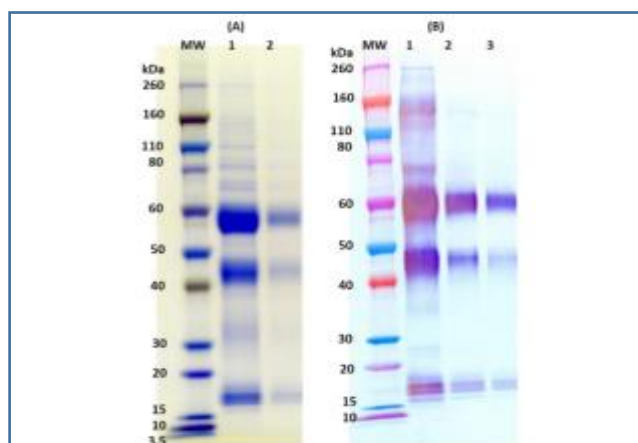
ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(A) SDS-PAGE demonstrating 5 μg and 1 μg (Lanes 1 and 2 respectively) of EBOV rGPΔmuc protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein standard. (B) Western blot detection of EBOV rGPΔmuc at 500 ng, 100 ng and 50 ng (Lanes 1-3) under denaturing and reducing conditions. EBOV rGPΔmuc was detected using an anti-EBOV rGPΔmuc polyclonal antibody at 2.0 μg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.



ELISA Data:

Plate was coated with EBOV rGPΔmuc starting at 800 ng/well, serially diluted in DPBS. The washed plate was detected using one dilution of a positive control serum, followed with anti-IgG-HRP conjugate and TMB microwell substrate. OD650 is reported below. Background of EBOV rGPΔmuc without positive control serum was 0.071 OD650.

EBOV rGPΔmuc ng/mL	OD 650 nm
800.000	3.691
400.000	3.835
200.000	3.624
100.000	3.554
50.000	3.522
25.000	3.357
12.500	3.014
6.250	2.516
3.125	1.881
1.563	1.396
0.781	0.678
0.391	0.438

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.

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