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**Recombinant Ebola virus
 Glycoprotein minus the Mucin
 Domain (EBOV rGPΔmuc -
 Mayinga)**

Catalog #: 0511-025

Lot #: 1902001

Description: Recombinant, purified Ebola virus protein with HIS-Tag (EBOV rGPΔmuc – Mayinga strain) is produced in stably-transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC.

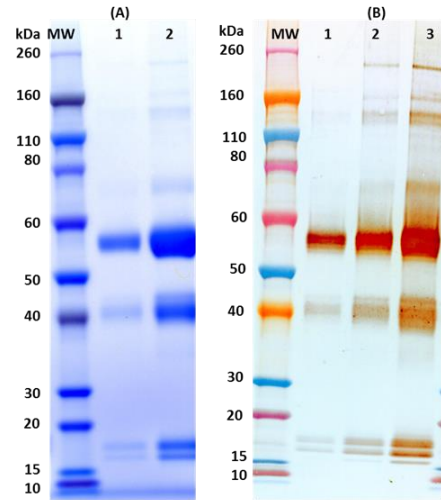
Storage: 2-3 weeks at -20°C, -80°C long term

Size: 100 μg of protein supplied PBS, pH7.4 (supplemented with glycerol, arginine and glutamic acid) at a concentration at a concentration of 2.251 mg/mL.

Relevance: Recombinant glycoprotein provides a means for antibody development, control protein for testing, and a tool to enhance research.

Related Products: IBT provides a wide array of anti-filovirus specific antibodies and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

SDS-PAGE & Western Blot Detection



(Panel A) SDS-PAGE demonstrating 1 μg and 5 μg (lane 1, 2 respectively) of EBOV rGPΔmuc protein under denaturing and reducing conditions. MW denotes Novex® Sharp pre-stained protein standard.

(Panel B) Western blot detection of EBOV rGPΔmuc at 50 ng, 100 ng and 500 ng (lanes 1-3) under denaturing and reducing conditions. EBOV rGPΔmuc was detected using an anti-EBOV rGPΔmuc pAb (cat# 0301-038) at 2.0 μg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data

EBOV rGPΔmuc ng/well	OD 650 nm
800.000	3.543
400.000	3.638
200.000	3.564
100.000	3.423
50.000	3.385
25.000	3.226
12.500	2.845
6.250	2.451
3.125	1.784
1.563	1.145
0.781	0.673
0.391	0.380

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. Background of EBOV rGPΔmuc without positive control serum was 0.062 OD₆₅₀.

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