



# Recombinant Ebolavirus Glycoprotein minus the Transmembrane Region (EBOV rGPΔTM)

Catalog #: 0501-001

# **Description:**

Mature, recombinant, HA-tagged ebolavirus glycoprotein minus the transmembrane domain (EBOV rGP $\Delta$ TM) is supplied as purified protein. EBOV rGP $\Delta$ TM is produced in mammalian cells and is purified by FPLC.

**Formulation & Storage:** Supplied in PBS. **Store at** -20°C for 2-3 weeks, -80°C for long-term.

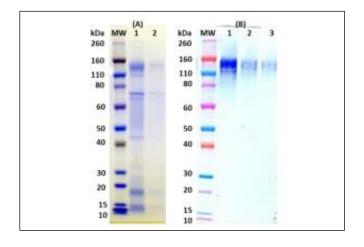
# **Notes & Usage Guidelines:**

**ELISA:** Assay-dependent dilution **WB:** Assay-dependent dilution

# **Applications**

#### SDS-PAGE and Western Blot Data:

(A) SDS-PAGE and stain demonstrating 5  $\mu g, 1~\mu g$  (Lanes 1 and 2 respectively) of EBOV rGP $\Delta TM$  HA-Tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of EBOV rGP $\Delta TM$  at 500 ng, 100 ng, and 50 ng (Lanes 1-3). EBOV rGP $\Delta TM$  was detected using IBT's monoclonal antibody 4F3 (Catalog # 0201-020) at 0.5  $\mu g/mL$  and anti-mouse IgG-HRP conjugate, followed by TMB substrate.



#### **ELISA Data:**

Plate was coated with EBOV rGP $\Delta$ TM 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 GPATM ng/well	OD 650 nm
800.00	3.223
400.00	3.313
200.00	3.231
100.00	3.188
50.00	3.238
25.00	2.890
12.50	2.259
6.25	1.600
3.13	0.879
1.56	0.497
0.78	0.244
0.39	0.156

### **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.