

Ebola virus-like particles (EBOV VLP)

Catalog #: 0550-001

Lot #: 1810003

Description: Virus-like Particles (VLP's) expressing recombinant Ebola virus (EBOV) glycoprotein (GP), nucleoprotein (NP), and matrix protein (VP40). These VLP's are produced in Sf9 insect cells through infection with a recombinant baculovirus.

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

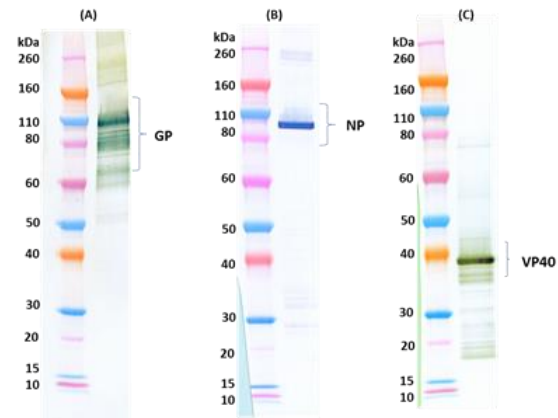
Size: 1 mg of protein supplied in PBS (supplemented with arginine and glutamic acid) at a concentration of **2.403 mg/mL**.

Endotoxin: 2.30 Endotoxin Units/mg

Relevance: Since these VLP's mimic Ebola virus but do not contain genetic material, thus are not infectious and make an ideal candidate as a vaccine and as a tool to enhance filovirus 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.

Western Blot Detection



Western Blot was used to confirm the presence of EBOV-specific GP, NP and VP40 in the VLP. VLP sample was heat-denatured under reducing condition and loaded at 1 µg/lane.

(A) GP was detected as a broadly-diffused band 60-110 kDa using 50 ng/mL of anti-EBOV GP rabbit Pab (cat# 0301-015)

(B) NP was detected as a single sharp band at ~90 kDa using 100 ng/mL of anti-EBOV NP rabbit Pab (cat# 0301-012)

(C) VP40 was detected as a single sharp band at ~40 kDa using 50 ng/mL of anti-EBOV VP40 rabbit Pab (cat# 0301-010)

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, Inc.

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