

EBOV virus-like particles (EBOV VLP)

Catalog #: 0550-001

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.

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.

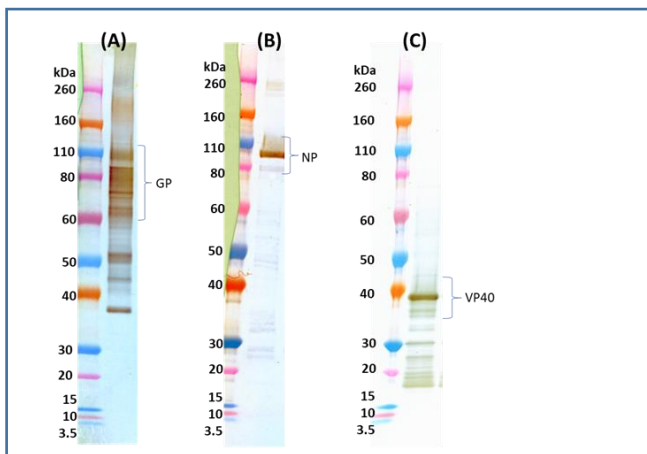
Formulation & Storage: Supplied in PBS (supplemented with arginine and glutamic acid). **Store** at 2-3 weeks at -20°C, -80°C long term.

Notes & Usage Guidelines:
Please note: After thawing, VLP's tend to sediment to the bottom of the tube and appear as aggregate pellet. VLP's can be resuspended by gentle vortexing or by pipetting up and down, before use. Also, subaliquoting is recommended to avoid repeated freeze/thaw cycles.

Applications

Western blot Detection

Left: 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)

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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