

Sudan virus-like particles (SUDV VLP)

Catalog #: 0567-001

Lot #: 1804003

Description: Virus-like Particles (VLP's) expressing recombinant Sudan virus (SUDV) 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

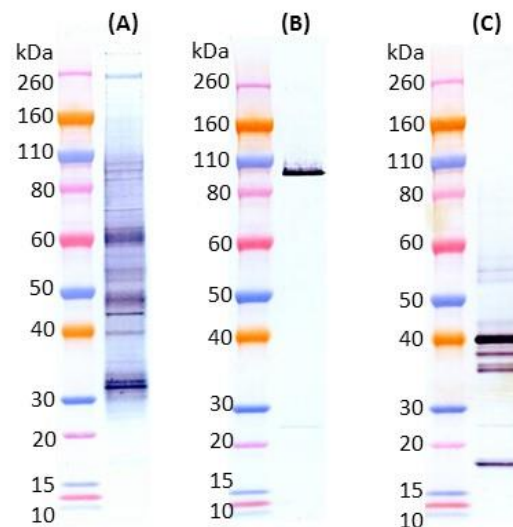
Size: 1 mg of protein supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of 2.334 mg/mL.

Endotoxin: 2.662 Endotoxin Units/mg

Relevance: Since these VLP's mimic Sudan virus but do not contain genetic material, thus are not infectious and make an ideal candidate as a vaccine and also 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 Sudan-specific GP, NP and VP40 in the VLP. VLP sample was heat-denatured under reducing condition and loaded at 500 ng/lane (A) and 100 ng/lane (B & C).

(A) GP was detected as a broadly-diffused band ~37-160 kDa using 0.1 µg/mL of Anti-SUDV GP mouse mAb (2H5) (cat # 0202-029)

(B) NP was detected as a prominent band between 80 and 110 kDa using 0.1 µg/mL of Anti-SUDV NP rabbit pAb (cat# 0302-012)

(C) VP40 was detected as multiple protein bands with one duplet band at ~40 kDa using 0.1 µg/mL of Anti-SUDV VP40 rabbit pAb (cat# 0302-001)

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.

Copyright 2018. Integrated BioTherapeutics, Inc. All rights reserved.