Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Recombinant Ebola virus Glycoprotein minus the Transmembrane Region (EBOV rGPΔTM)

Catalog No: tcip3046

Available Sizes

Size: 100µg

Size: 500µg

Specifications

Application:
ELISA, WB

Research Area:
Virology

Form:
Frozen Liquid

Concentration:
supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of 0.615 mg/mL

Recommended Dilution:
Western Blot: Quality control testing demonstrates strong detection of GP under reduced conditions.

Storage Instruction:
2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

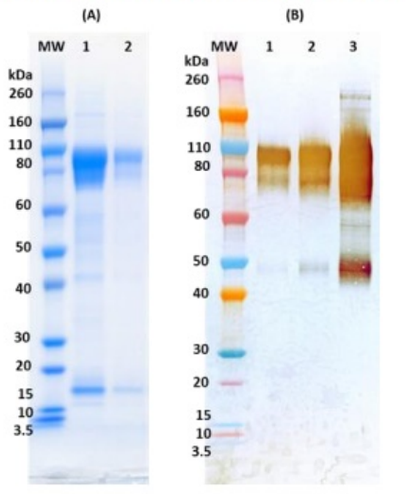
Relevance:
Recombinant glycoprotein provides a means as a control protein for immunoassays and a tool to enhance research

Product Description

Mature, recombinant, His-tagged Ebola virus Glycoprotein minus the transmembrane domain (EBOV rGPΔTM) is supplied as purified protein. EBOV rGPΔTM is produced in S2 insect cells and is purified by FPLC.

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

SDS-PAGE & Western Blot Detection



The theoretical molecular weight of the protein is ~68 kDa including the His-tag, without glycosylation. Because of the highly glycosylated nature of this protein, migration in an SDSPAGE gel is slowed resulting in broad, diffuse bands representing differing glycosylation forms. (A) SDS-PAGE and stain demonstrating 5 µg and 1 µg (lanes 1, 2 respectively) of EBOV rGPΔTM His-tag protein under denaturing and reducing conditions. MW denotes Novex® Sharp prestained protein marker. (B) Western blot detection of EBOV rGPΔTM at 50 ng, 100 ng and 500 ng (lanes 1-3) using rabbit anti-EBOV GP polyclonal antibody (catalog# tcia135) at 0.5 ug/mL and antirabbit IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data

EBOV rGPΔTM ng/well	OD 650 nm
800.000	3.550
400.000	3.771
200.000	3.655
100.000	3.637
50.000	3.774
25.000	3.673
12.500	3.472
6.250	3.285
3.125	2.812
1.563	2.015
0.781	1.267
0.391	0.609

Plate was coated with EBOV rGPΔTM 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. OD 650 is reported. Background of EBOV rGPΔTM coated plate positive control serum was 0.071 OD 650.