

Recombinant SUDV GPDTM

Catalog No: tcip3006



Available Sizes

Size: 100µg



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 1.059 mg/mL

Recommended Dilution:

Western Blot: Quality control testing demonstrates strong detection of GP null and GP1 under reduced conditions.

Purity / Grade:

Column chromatography

Storage Instruction:

2-3 weeks at -20°C, -80°C long term

Relevance:

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

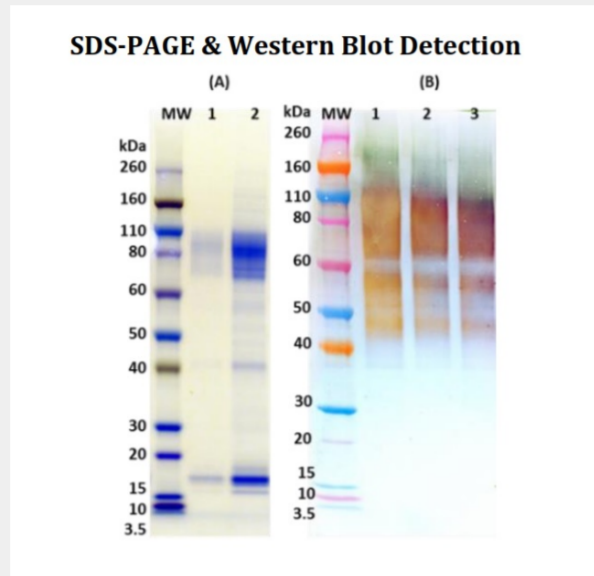
Product Description

Mature, recombinant, His-tagged Sudan

virus Glycoprotein minus the transmembrane domain

(SUDV rGPΔTM) is supplied as purified protein. SUDV rGPΔTM is produced in Sf9 insect cells using baculovirus for expression and is

purified by FPLC.



(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1, 2 respectively) of SUDV rGPΔTM His-tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of SUDV rGPΔTM at 200 ng, 100 ng and 50 ng (lanes 1-3). SUDV rGPΔTM was detected using Taiclone's anti-SUDV GP monoclonal antibody ® (2H5) (catalog# tcia118) at 0.5 µg/mL and anti-mouse IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data

SUDV rGPΔTM ng/well	Mean OD650 nm
800.00	3.368
400.00	3.721
200.00	3.654
100.00	3.499
50.00	3.632
25.00	3.527
12.50	3.458
6.25	3.291
3.13	2.794
1.56	2.287
0.78	1.500
0.39	0.909

Plate was coated with SUDV 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 SUDV rGPΔTM coated plate without positive control serum was 0.088 OD 650 .

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!