Web: www.taiclone.com
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Recombinant MARV VP40

Catalog No: tcip3029

Available Sizes

Size: 100µg

Specifications

Application:
ELISA, WB

Research Area:
Virology

Form:
Frozen Liquid

Concentration:
Supplied in HEPES buffer pH 7.5 containing sodium chloride, 5% glycerol and 0.1% Triton-X, at a concentration of 0.537 mg/mL. The theoretical molecular weight of the protein is ~35 kDa.

Purity / Grade:
Column chromatography

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 MARV VP40 matrix protein provides a means as a control protein for immunoassays and a tool to enhance Filovirus research.

Product Description

Recombinant, tag-free, purified marburgvirus (MARV) matrix protein (VP40) is expressed in E. coli and the recombinant protein purified using FPLC.

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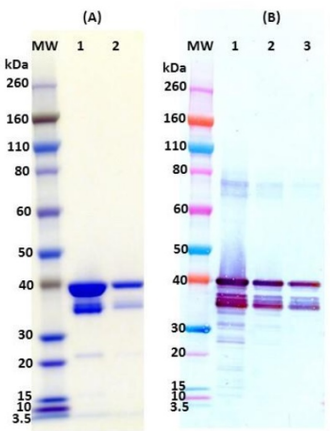
SDS-PAGE & Western Blot Detection:



(A) SDS-PAGE and stain demonstrating 5 ug and 1ug (lanes 1-2) of SUDV VP40 protein under denaturing and reducing conditions. MW denotes Novex Sharp pre-stained protein markers. ;(B) Western blot detection of SUDV VP40 at 500 ng,100 ng, and 50 ng (lanes 1-3). SUDV VP40 was detected using Taiclone's polyclonal antibody at 100 ng/mL (Cat. # tcia142) and anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.

ELISA Data:

SUDV VP40 ng/well	OD 650 nm
800.00	3.421
400.00	3.538
200.00	3.370
100.00	3.174
50.00	2.727
25.00	2.278
12.50	1.791
6.25	1.202
3.13	0.623
1.56	0.463
0.78	0.279
0.39	0.178
Background Control	0.072

Plate was coated with SUDV VP40 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.