

Recombinant EEEV E2 GP (E3E2)

Catalog No: tcip3022



Available Sizes

Size: 100µg



Specifications

Application:

ELISA, WB

Research Area:

Virology

Form:

Frozen Liquid

Concentration:

0.901 mg/mL (Lot Dependent)

Purity / Grade:

Column chromatography

Storage Instruction:

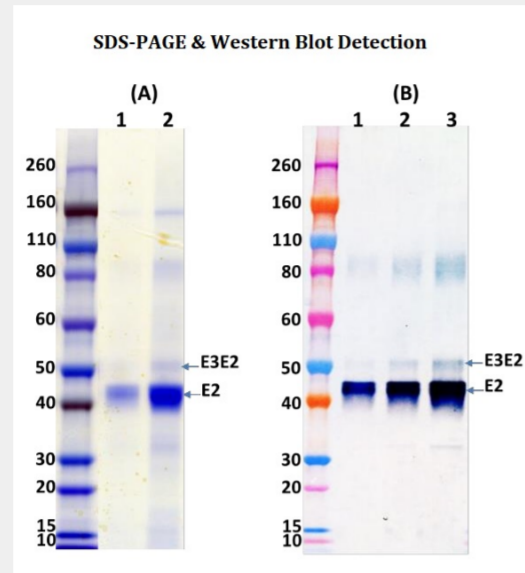
2-3 weeks at -20°C, -80°C long term

Relevance:

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

Product Description

Recombinant, His-tagged EEEV E3E2 glycoprotein expressed in Sf9 insect cells using recombinant baculovirus and purified by FPLC



Quality control testing shows one prominent E2 band between 40 and 50 kDa, one faint E3E2 band above 50 kDa and a faint band containing E2 between 80 and 110 kDa. (A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1-2) of WEEV E3E2/E2 protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of WEEV E3E2/E2 protein at 50 ng, 100 ng, and 200 ng (lanes 1-3) using Taiclone's anti-WEEV E2 rabbit polyclonal antibody (Cat# tcia169) at 0.25 µg/mL and antirabbit IgG-HRP conjugate, followed by TMB substrate.

ELISA Data:

Antigen coating Concentration in ng/well	OD 650 nm
800.000	3.752
400.000	3.695
200.000	3.539
100.000	3.080
50.000	2.316
25.000	1.343
12.500	0.652
6.250	0.275
3.125	0.163
1.563	0.105
0.781	0.087
0.391	0.066

Plate was coated with WEEV E3E2/E2 starting at 800 ng/well, serially diluted in DPBS. Washed plate was detected using Rabbit Anti-WEEV E2 pAb at 1 µg/mL. OD 650 is reported.

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