

Western Equine Encephalitis Virus (WEEV) E3E2 Protein produced in insect-baculovirus expression system

Catalog #: 0561-001

Lot #: 1507002

Description: Recombinant, His-tagged WEEV E3E2 glycoprotein expressed in Sf9 insect cells using recombinant baculovirus and purified by FPLC.

Storage: 2-3 weeks at -20°C, -80°C long term

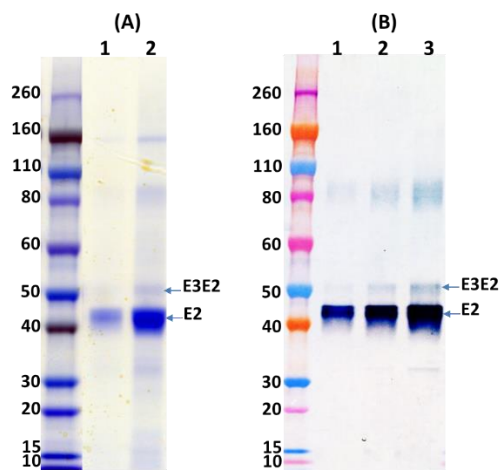
Size: 100 µg of protein is supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of **0.615 mg/mL**.

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

SDS-PAGE & Western Blot: 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.

Related Products: IBT provides a wide array of alphavirus, filovirus proteins and antibodies and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

SDS-PAGE & Western Blot Detection



(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 IBT's anti-WEEV E2 rabbit polyclonal antibody (Cat# 0319-001) at 0.25 µg/mL and anti-rabbit 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. OD₆₅₀ is reported.

Intended for research use only, not for human, therapeutic, or diagnostic applications.

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