

Eastern Equine Encephalitis Virus (EEEV) E3E2 Protein

Catalog #: 0560-001

Lot #: 1507001

Description: Recombinant, His-tagged EEEV 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

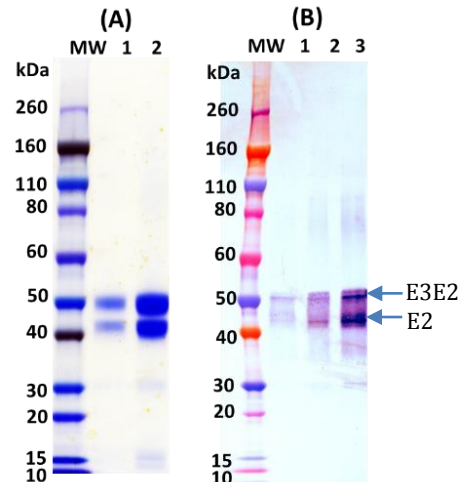
Size: 100 µg of protein is supplied in PBS (supplemented with glycerol, arginine and glutamic acid) at a concentration of **0.901 mg/mL**.

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 two prominent bands: E3E2 at ~50 kDa and cleaved E2 at ~40 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 EEEV E3E2/E2 protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of EEEV E3E2/E2 protein at 50 ng, 100 ng, and 200 ng (lanes 1-3) using IBT's anti-EEEV E2 rabbit polyclonal antibody (Cat# 0318-001) at 0.5 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	3.795
400.000	3.739
200.000	3.603
100.000	2.930
50.000	1.726
25.000	0.610
12.500	0.221
6.250	0.119
3.125	0.073
1.563	0.058
0.781	0.073
0.391	0.055

Plate was coated with EEEV E3E2/E2 protein starting at 800 ng/well, serially diluted in DPBS. Washed plate was detected using Rabbit Anti-EEEV 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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