

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

Catalog #: 0561-001

Description:

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

Formulation & Storage: Supplied in PBS and supplemented with glycerol, arginine and glutamic acid. **Store at** -20°C for 2-3 weeks, -80°C for long term.

Notes & Usage Guidelines:

ELISA: Assay-dependent dilution

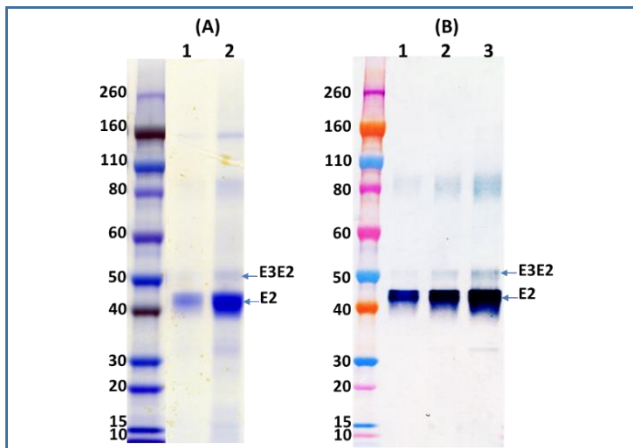
WB: Assay-dependent dilution

Applications

SDS-PAGE and Western Blot Data:

(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 (Catalog # 0319-001) at 0.25 µg/mL and anti-rabbit IgG-HRP conjugate, followed by TMB substrate.



ELISA Data:

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 below.

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

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at services@ibtbioservices.com

Related Products:

IBT provides a wide array of anti-filovirus specific antibodies, recombinant proteins, and other infectious disease reagents. Please see our website, www.ibtbioservices.com for more details.

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