

# Western Equine Encephalitis Virus (WEEV) E3E2 Protein produced in mammalian cells

Catalog #: 0562-001

### Description:

Recombinant, His-tagged WEEV E3E2 glycoprotein produced in mammalian cells 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

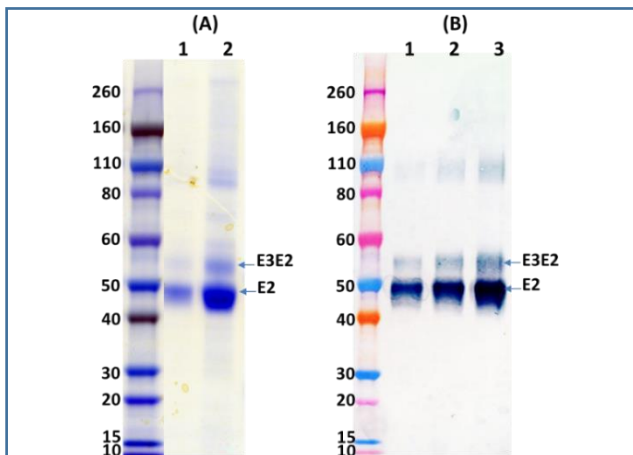
**WB:** Assay-dependent dilution

## 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                                  | 3.863     |
| 400.000                                  | 3.831     |
| 200.000                                  | 3.739     |
| 100.000                                  | 3.568     |
| 50.000                                   | 3.123     |
| 25.000                                   | 2.296     |
| 12.500                                   | 1.382     |
| 6.250                                    | 0.734     |
| 3.125                                    | 0.394     |
| 1.563                                    | 0.228     |
| 0.781                                    | 0.132     |
| 0.391                                    | 0.090     |

### 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](mailto:services@ibtbioservices.com)

### Related Products:

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