



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-E2/E3E2 envelope protein [WD11F] Bulk Size Ab03443-1.159-BT

**Isotype and Format:** Mouse IgG1-Fc fusion

**Clone Number:** WD11F

**Alternative Name(s) of Target:** Western equine encephalitis virus

**UniProt Accession Number of Target Protein:**

**Published Application(s):** SPR

**Published Species Reactivity:** WEEV

**Immunogen:** An immune phage display library derived from the peripheral blood lymphocytes of a llama that had been immunized with an equine vaccine that includes killed WEEV (West Nile Innovator + VEWT) was generated. The antibody was selected by panning the library against recombinant envelope (E2/E3E2) protein from WEEV.

**Specificity:** The antibody is specific for E2/E3E2 envelope protein. Two envelope proteins, glycoproteins E1 and E2, associate as trimers of E1-E2 dimers on the viral surface, and make up 80 spikes on the viral surface.

**Application Notes:** The binding affinity of the VHH fragment for the WEEV E3E2 recombinant protein was measured by surface plasmon resonance ( $K_d = 7.2 \times 10^{-9}$  M). The ability of the antibody to detect the recombinant protein in a MagPlex sandwich immunoassay was confirmed (Liu et al., 2018; PMID: 31544894).

**Antibody First Published in:** Liu et al. Selection of Single-Domain Antibodies towards Western Equine Encephalitis Virus Antibodies (Basel). 2018 Dec; 7(4): 44. [PMID:31544894](#)

**Note on publication:** The original paper describes the selection and characterization of single-domain antibodies towards the E2/E3E2 envelope protein of the Western equine encephalitis virus (WEEV).

## Product Form

**Size:** 500 µg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.