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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-E2/E3E2 envelope protein [WD11F] Standard Size Ab03443-23.159

Isotype and Format: Rabbit IgG-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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.