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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-E-protein DIII (LR) [ZV-67] Standard Size Ab00812-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2c format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: ZV-67

Alternative Name(s) of Target: ZIKV E; Envelope protein; ZV67

UniProt Accession Number of Target Protein:

Published Application(s): crystallization, NTRL, SPR, WB, FC

Published Species Reactivity: Zika Virus

Immunogen: This antibody was generated by infecting mice with 1000 FFU of ZIKV MR-766 followed by a booster at 30d post-infection of ZIKV H/PF/2013, respectively and given a final intravenous boost with live ZIKV DIII (amino acids 299 to 407 of the ZIKV E protein))

Specificity: ZV-67 binds to the Zika virus envelope protein at domain III (DIII, LR). No cross-reactivity with other tested flaviviruses has been reported.

Application Notes: The original mouse IgG2c format has been shown to have neutralizing activity and has been used to label ZIKV infected cells (4% PFA fixation, 0.1% saponin permeabilization). Yi et al. (PMID: 29033368) used this antibody for Western Blotting at a concentration of 0.5 µg/ml.

Antibody First Published in: Zhao et al. Structural Basis of Zika Virus-Specific Antibody Protection. Cell. 2016 Aug 11;166(4):1016-27 [PMID:27475895](#)

Note on publication: Describes the generation and characterisation of this antibody.

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.