

Anti-E-protein DIII (LR) [ZV-67] Standard Size Ab00812-2.0

This reformatted mouse 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: Mouse IgG2a, 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.