Anti-E-protein DIII (C-C') [ZV-64] Bulk Size Ab00811-23.0-BT

This chimeric rabbit 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: Rabbit IgG, Kappa
Clone Number: ZV-64
Alternative Name(s) of Target: ZIKV E; Envelope protein; ZV64
UniProt Accession Number of Target Protein:
Published Application(s): crystallization, NTRL, SPR, 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-64 binds to the Zika virus envelope protein at domain III (DIII, C-C' loop). 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).
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: 1 mg Purified antibody in bulk size.
Purification: Protein A affinity purified
Supplied In: PBS only.
Storage Recommendation: Store at 4ºC for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommed this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20ºC.
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.

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