



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-E-protein DIII (C-C') [ZV-48] Standard Size Ab00810-15.0

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 IgM, Kappa

**Clone Number:** ZV-48

**Alternative Name(s) of Target:** Envelope protein; ZIKV E; ZV48

**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-48 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:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**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.