



# 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

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## Anti-Genome polyprotein [E104] Standard Size Ab04463-1.1

**Isotype and Format:** Mouse IgG1

**Clone Number:** E104

**Alternative Name(s) of Target:** DV2-104; Capsid protein C; Core protein; Protein prM; Peptide pr; Small envelope protein M; Matrix protein; Envelope protein E; Dengue virus type 2

**UniProt Accession Number of Target Protein:** P29990

**Published Application(s):** in vitro, in vivo, neutralizing, ELISA, FC

**Published Species Reactivity:** Dengue Virus

**Immunogen:** The original antibody was raised by immunizing a C57BL/6 mouse with DENV-2.

**Specificity:** This antibody is specific for DIII C-C' loop of Envelope protein E of Dengue virus type 2

**Application Notes:** The original antibody was used for a plaque reduction assay on DENV-2 (Zhang et al., 2015; PMID:25355881, Sukupolvi-Petty et al., 2010; PMID:20592088). The Fab was incubated with DENV-2 and then added to BHK21 cells. The structure of the original antibody was determined using cryo-EM (Zhang et al., 2015; PMID:25355881). The original version of this antibody was used for flow cytometry on DENV infected cells. This antibody was used for an in vivo protection assay on BALB/c mice. Here the mice were given the antibody after infection with the DENV-2. It showed improvement over control (Sukupolvi-Petty et al., 2010; PMID:20592088). This antibody was used for an ELISA on immature virus particles. This antibody was able to promote infectivity of DENV-2. In short it made normally uninfected immature virus infectious (da Silva Voorham et al., 2012; PMID:22431958).

**Antibody First Published in:** Sukupolvi-Petty et al. Structure and function analysis of therapeutic monoclonal antibodies against dengue virus type 2 J Virol. 2010 Sep;84(18):9227-39. [PMID:20592088](#)

**Note on publication:** The original paper investigated in detail the functional activity of a large panel of new anti-DENV-2 mouse MAbs

### Product Form

**Size:** 100 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.