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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

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

Anti-Genome polyprotein [E104] Bulk Size Ab04463-1.29-BT

This is a Fab fragment with a his-tag.

Isotype and Format: Mouse Fab fragment, His-Tagged

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: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.