



# 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

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## Anti-Genome polyprotein [1H10] Bulk Size Ab04458-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Lambda

**Clone Number:** 1H10

**Alternative Name(s) of Target:** pol; Dengue virus type 3

**UniProt Accession Number of Target Protein:** A9LID6

**Published Application(s):** in vitro, WB, ELISA

**Published Species Reactivity:** Dengue Virus

**Immunogen:** The original antibody was raised from PMBCs from humans previously infected with dengue fever.

**Specificity:** This antibody is specific for the precursor membrane of dengue fever. L3 and S5 are important amino acids for its epitope.

**Application Notes:** The original antibody was used for an ELISA on whole dengue virus (Smith et al., 2015; PMID:26512092), and on DENV3 (Wirawan et al., 2019; PMID:30471923). This antibody showed binding to all dengue virus types. This antibody was used for western blotting on PrM protein. This antibody was used for an ADE assay. This assay showed that this antibody can enhance a dengue fever infection (Smith et al., 2015; PMID:26512092, Wirawan et al., 2019; PMID:30471923). The structure of this antibody was determined using cryo-EM. This antibody was used for a virus-liposome co-floatation assay on LoVo cells with DENV2. This antibody was used for BioLayer Interferometry analysis on recombinant prM:E in PBS-T. This antibody was also used for Hydrogen Deuterium Exchange on the prM:E protein (Wirawan et al., 2019; PMID:30471923).

**Antibody First Published in:** Smith et al. Dengue Virus prM-Specific Human Monoclonal Antibodies with Virus Replication-Enhancing Properties Recognize a Single Immunodominant Antigenic Site J Virol. 2015 Oct 28;90(2):780-9. PMID:26512092

**Note on publication:** The original paper reports the isolation of a large panel of naturally occurring human monoclonal antibodies (MAbs) obtained from subjects following primary DENV serotype 1, 2, or 3 or secondary natural DENV infections or following primary DENV serotype 1 live attenuated virus vaccination to determine the antigenic landscape on the prM protein that is recognized by human antibodies.

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**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.